

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 14, 2005, 10:48:30 ; Search time 136 Seconds  
(without alignments)  
562.677 Million cell updates/sec

Title: US-09-847-208b-3

Perfect score: 1260

Sequence: 1 EPRSCDKTHTCPCPAPELL.....MHEALHMHYQGRSLSPGK 232

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1396920 seqs, 32984858 residues

Total number of hits satisfying chosen parameters: 881024

Minimum DB seq length: 0

Maximum DB seq length: 232

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:\*

1: /cgn2\_6/prodata/2/pubppa/US07\_PUBCOMB.pep:\*

2: /cgn2\_6/prodata/2/pubppa/PC7\_NEW\_PUB.pep:\*

3: /cgn2\_6/prodata/2/pubppa/US06\_PUBCOMB.pep:\*

4: /cgn2\_6/prodata/2/pubppa/US07\_NEW\_PUB.pep:\*

5: /cgn2\_6/prodata/2/pubppa/US07\_NEW\_PUB.pep:\*

6: /cgn2\_6/prodata/2/pubppa/PC7US\_PUBCOMB.pep:\*

7: /cgn2\_6/prodata/2/pubppa/US08\_NEW\_PUB.pep:\*

8: /cgn2\_6/prodata/2/pubppa/US08\_PUBCOMB.pep:\*

9: /cgn2\_6/prodata/2/pubppa/US09\_PUBCOMB.pep:\*

10: /cgn2\_6/prodata/2/pubppa/US09\_PUBCOMB.pep:\*

11: /cgn2\_6/prodata/2/pubppa/US09\_PUBCOMB.pep:\*

12: /cgn2\_6/prodata/2/pubppa/US09\_NEW\_PUB.pep:\*

13: /cgn2\_6/prodata/2/pubppa/US10\_PUBCOMB.pep:\*

14: /cgn2\_6/prodata/2/pubppa/US10\_PUBCOMB.pep:\*

15: /cgn2\_6/prodata/2/pubppa/US10\_PUBCOMB.pep:\*

16: /cgn2\_6/prodata/2/pubppa/US10\_PUBCOMB.pep:\*

17: /cgn2\_6/prodata/2/pubppa/US10\_NEW\_PUB.pep:\*

18: /cgn2\_6/prodata/2/pubppa/US11\_NEW\_PUB.pep:\*

19: /cgn2\_6/prodata/2/pubppa/US60\_NEW\_PUB.pep:\*

20: /cgn2\_6/prodata/2/pubppa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1260	100.0	232	10	US-09-847-208-3
2	1260	100.0	232	9	US-10-000-439-3
3	1225	97.2	232	9	US-09-996-357-10
4	1225	97.2	232	10	US-09-389-782-1
5	1225	97.2	232	16	US-10-617-619-7
6	1225	97.2	232	16	US-10-761-593-26
7	1219	96.7	232	14	US-10-071-499A-15
8	1219	96.7	232	14	US-10-020-354-83
9	1219	96.7	232	5	US-10-466-593-2
10	1209	96.0	232	9	US-09-977-034-4
11	1209	96.0	232	14	US-10-292-418-2
12	1209	96.0	232	15	US-10-419-058-6
13	1209	96.0	232	17	US-10-953-259-4

14	1201	95.3	232	14	US-10-313-135-4	Sequence 4, Appl1
15	1196	94.9	229	17	US-10-879-994-8	Sequence 8, Appl1
16	1195	94.8	227	15	US-10-269-695-60	Sequence 60, Appl1
17	1195	94.8	227	15	US-10-435-608-2	Sequence 2, Appl1
18	1195	94.8	227	15	US-10-410-998-60	Sequence 60, Appl1
19	1195	94.8	227	15	US-10-622-108-2	Sequence 2, Appl1
20	1195	94.8	227	16	US-10-742-379-296	Sequence 296, App
21	1195	94.8	228	9	US-09-847-712-2	Sequence 2, Appl1
22	1195	94.8	228	9	US-09-840-277-2	Sequence 2, Appl1
23	1195	94.8	228	10	US-09-843-221A-2	Sequence 2, Appl1
24	1195	94.8	228	10	US-09-840-669B-2	Sequence 2, Appl1
25	1195	94.8	228	14	US-10-269-806-32	Sequence 32, Appl1
26	1195	94.8	228	15	US-10-145-206-2	Sequence 2, Appl1
27	1195	94.8	228	15	US-10-609-217-2	Sequence 2, Appl1
28	1195	94.8	228	15	US-10-632-388-2	Sequence 2, Appl1
29	1195	94.8	228	15	US-10-651-723-2	Sequence 2, Appl1
30	1195	94.8	228	15	US-10-645-761-2	Sequence 2, Appl1
31	1195	94.8	228	15	US-10-666-696-2	Sequence 2, Appl1
32	1195	94.8	228	15	US-10-653-048-2	Sequence 2, Appl1
33	1195	94.8	228	16	US-10-666-480-60	Sequence 60, Appl1
34	1195	94.8	228	17	US-10-925-183-2	Sequence 2, Appl1
35	1195	94.8	229	13	US-10-215-297-2	Sequence 2, Appl1
36	1195	94.8	229	14	US-10-215-298-2	Sequence 2, Appl1
37	1195	94.8	229	14	US-10-433-108-32	Sequence 32, Appl1
38	1192.5	94.6	232	15	US-10-008-063-32	Sequence 32, Appl1
39	1186	94.1	232	9	US-09-835-147-17	Sequence 17, Appl1
40	1183	93.9	232	9	US-09-871-856-8	Sequence 8, Appl1
41	1183	93.9	232	9	US-09-865-363-8	Sequence 8, Appl1
42	1183	93.9	232	9	US-09-871-291-8	Sequence 8, Appl1
43	1183	93.9	232	9	US-09-877-650-8	Sequence 8, Appl1
44	1183	93.9	232	14	US-10-008-063-28	Sequence 28, Appl1
45	1183	93.9	232	14	US-10-008-063-28	Sequence 28, Appl1

#### ALIGNMENTS

RESULT 1

US-09-847-208-3

Sequence 3, Application US/09847208

Publication No. US20030082190A1

GENERAL INFORMATION:

APPLICANT: Saxon, Andrew

APPLICANT: Zhu, Daoheng

TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF

FILE REFERENCE: UC67.002A

CURRENT APPLICATION NUMBER: US/09/847,208

CURRENT FILING DATE: 2001-05-01

NUMBER OF SEQ. ID NOS: 177

SOFTWARE: PASCSEQ for Windows Version 4.0

SEQ ID NO 3

LENGTH: 232

TYPE: PRT

ORGANISM: Homo sapiens

US-09-847-208-3

Query Match	100.0%	Score 1260;	DB 10;	Length 232;
Best Local Similarity	100.0%;	Pred. No. 8, 4e-93;		
Matches 232;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	EPKSCDKTHTCPCPAPELLGSPVFPFKPKQDTLMISRTPEYTCVVVDVSHEDPEVKF	60	
DB	1	EPKSCDKTHTCPCPAPELLGSPVFPFKPKQDTLMISRTPEYTCVVVDVSHEDPEVKF	60	
QY	61	NMYVDGVEVHNVNKKPREEQYNSTYRVSVLTVLHQMNMNGKCYKCKVSKALPAPIEKT	120	
DB	61	NMYVDGVEVHNVNKKPREEQYNSTYRVSVLTVLHQMNMNGKCYKCKVSKALPAPIEKT	120	
QY	121	ISRAKVPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIAVWESNQCPENNYKTTTP	180	
DB	121	ISRAKVPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIAVWESNQCPENNYKTTTP	180	

Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVSCSVMHGALHNHYQORSLSLSPGK 232  
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVSCSVMHGALHNHYQORSLSLSPGK 232

## RESULT 2

US-10-000-439-3  
Sequence 3, Application US/10000439  
Publication No. US20030064063A1  
GENERAL INFORMATION:  
APPLICANT: Saxon, Andrew  
TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR  
TREATMENT OF IMMUNE DISEASES  
FILE REFERENCE: DC067.004A  
CURRENT APPLICATION NUMBER: US/10/000,439  
CURRENT FILING DATE: 2001-10-24  
PRIOR APPLICATION NUMBER: US 09/847,208  
PRIOR FILING DATE: 2001-05-01  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 232  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-000-439-3

Query Match 100.0%; Score 1260; DB 14; Length 232;  
Best Local Similarity 100.0%; Pred. No. 8,4e-93;  
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTHTCPCPAPABELLGSPSVFLPPPKPDOTLMISRTPEVTCVVVDVSHEDPEVKF 60  
Db 1 EPKSCDKHTHTCPCPAPABELLGSPSVFLPPPKPDOTLMISRTPEVTCVVVDVSHEDPEVKF 60  
Qy 61 NMVYDGVGVANVKTTPREEQYNSTYRVSVLTVLHQMNMNGKEYCKKVSNNKALPAPIEKT 120  
Db 61 NMVYDGVGVANVKTTPREEQYNSTYRVSVLTVLHQMNMNGKEYCKKVSNNKALPAPIEKT 120  
Qy 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTP 180  
Db 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTP 180  
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVSCSVMHGALHNHYQORSLSLSPGK 232  
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVSCSVMHGALHNHYQORSLSLSPGK 232

## RESULT 3

US-09-996-357-10  
Sequence 10, Application US/09996357  
Patent No. US20020133001A1  
GENERAL INFORMATION:  
APPLICANT: Getfer, Malcolm L  
APPLICANT: Isreal, David I  
APPLICANT: Joyal, John L  
APPLICANT: Gosselin, Michael  
TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR  
TREATING AN AMYLOIDGENIC DISEASE  
FILE REFERENCE: PEI-105  
CURRENT APPLICATION NUMBER: US/09/996,357  
CURRENT FILING DATE: 2001-11-27  
PRIOR APPLICATION NUMBER: 60/253,302  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/250,198  
PRIOR FILING DATE: 2000-11-29  
PRIOR APPLICATION NUMBER: 60/257,186  
PRIOR FILING DATE: 2000-12-20  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 10  
LENGTH: 232  
TYPE: PRT

ORGANISM: Homo sapiens  
US-09-996-357-10

Query Match 97.2%; Score 1225; DB 9; Length 232;  
Best Local Similarity 97.0%; Pred. No. 5.3e-90;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTHTCPCPAPABELLGSPSVFLPPPKPDOTLMISRTPEVTCVVVDVSHEDPEVKF 60  
Db 1 EPKSCDKHTHTCPCPAPABELLGSPSVFLPPPKPDOTLMISRTPEVTCVVVDVSHEDPEVKF 60  
Qy 61 NMVYDGVGVANVKTTPREEQYNSTYRVSVLTVLHQMNMNGKEYCKKVSNNKALPAPIEKT 120  
Db 61 NMVYDGVGVANVKTTPREEQYNSTYRVSVLTVLHQMNMNGKEYCKKVSNNKALPAPIEKT 120  
Qy 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTP 180  
Db 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTP 180  
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVSCSVMHGALHNHYQORSLSLSPGK 232  
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVSCSVMHGALHNHYQORSLSLSPGK 232

## RESULT 4

US-09-389-782-1  
Sequence 1, Application US/09389782  
Publication No. US20030144187A1  
GENERAL INFORMATION:  
APPLICANT: Wooden, Scott K.  
APPLICANT: Mann, Michael B.  
APPLICANT: Dunstan, Colin R.  
TITLE OF INVENTION: ORG Fusion Protein Compositions and Methods  
FILE REFERENCE: A-604  
CURRENT APPLICATION NUMBER: US/09/389,782  
CURRENT FILING DATE: 1999-09-03  
NUMBER OF SEQ ID NOS: 50  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 1  
LENGTH: 232  
TYPE: PRT  
ORGANISM: Human  
US-09-389-782-1

Query Match 97.2%; Score 1225; DB 10; Length 232;  
Best Local Similarity 97.0%; Pred. No. 5.3e-90;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTHTCPCPAPABELLGSPSVFLPPPKPDOTLMISRTPEVTCVVVDVSHEDPEVKF 60  
Db 1 EPKSCDKHTHTCPCPAPABELLGSPSVFLPPPKPDOTLMISRTPEVTCVVVDVSHEDPEVKF 60  
Qy 61 NMVYDGVGVANVKTTPREEQYNSTYRVSVLTVLHQMNMNGKEYCKKVSNNKALPAPIEKT 120  
Db 61 NMVYDGVGVANVKTTPREEQYNSTYRVSVLTVLHQMNMNGKEYCKKVSNNKALPAPIEKT 120  
Qy 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTP 180  
Db 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTP 180  
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVSCSVMHGALHNHYQORSLSLSPGK 232  
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVSCSVMHGALHNHYQORSLSLSPGK 232

## RESULT 5

US-10-617-619-7  
Sequence 7, Application US/10617619  
Publication No. US20040110929A1  
GENERAL INFORMATION:  
APPLICANT: Bjorn, Soren E  
APPLICANT: Nicolaisen, Else M  
APPLICANT: Jorgensen, Anker S

;; TITLE OF INVENTION: TF Binding Compound  
;; FILE REFERENCE: 6455,200-US  
;; CURRENT APPLICATION NUMBER: US/10/617,619  
;; CURRENT FILING DATE: 2003-07-11  
;; PRIOR APPLICATION NUMBER: Danish Application No. PA 2002 01099  
;; PRIOR FILING DATE: 2002-07-12  
;; PRIOR APPLICATION NUMBER: US 60/404,568  
;; PRIOR FILING DATE: 2002-08-19  
;; NUMBER OF SEQ ID NOS: 13  
;; SOFTWARE: PatentIn version 3.2  
;; SEQ ID NO 7  
;; LENGTH: 232  
;; TYPE: PRT  
;; ORGANISM: Human  
US-10-617-619-7

Query Match 97.2%; Score 1225; DB 16; Length 232;  
Best Local Similarity 97.0%; Pred. No. 5,3e-90;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHCPCPAPPELLGSPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
DB 1 EPKSCDKHTHCPCPAPPELLGSPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NMVYDGEVHNVTKPREEQYNSTYRVSVLTVLHQMNMNGKCKYKCNKALPAPIEKT 120  
DB 61 NMVYDGEVHNVTKPREEQYNSTYRVSVLTVLHQMNMNGKCKYKCNKALPAPIEKT 120  
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNQPENNYKTTTP 180  
DB 121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNQPENNYKTTTP 180  
QY 181 PVLDSGSFFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDSGSFFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232

RESULT 6  
US-10-761-593A-26

;; Sequence 26, Application US/10761593A  
;; Publication No. US20040175824A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Sun, Lee-Hwei K  
;; APPLICANT: Sun, Bill N  
;; APPLICANT: Sun, Cecily R  
;; TITLE OF INVENTION: Fe fusion proteins of human erythropoietin with high biological  
;; TITLE OF INVENTION: activities  
;; FILE REFERENCE: 02SUN2001-A  
;; CURRENT APPLICATION NUMBER: US/10/761,593A  
;; CURRENT FILING DATE: 2004-01-21  
;; PRIOR APPLICATION NUMBER: 09/932812  
;; PRIOR FILING DATE: 2001-08-17  
;; NUMBER OF SEQ ID NOS: 28  
;; SOFTWARE: PatentIn version 3.2  
;; SEQ ID NO 26  
;; LENGTH: 232  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-761-593A-26

Query Match 97.2%; Score 1225; DB 16; Length 232;  
Best Local Similarity 97.0%; Pred. No. 5,3e-90;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHCPCPAPPELLGSPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
DB 1 EPKSCDKHTHCPCPAPPELLGSPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NMVYDGEVHNVTKPREEQYNSTYRVSVLTVLHQMNMNGKCKYKCNKALPAPIEKT 120  
DB 61 NMVYDGEVHNVTKPREEQYNSTYRVSVLTVLHQMNMNGKCKYKCNKALPAPIEKT 120  
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNQPENNYKTTTP 180

DB 121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNQPENNYKTTTP 180  
QY 181 PVLDSGSFFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDSGSFFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232

## RESULT 7

US-10-071-499A-15  
;; Sequence 15, Application US/10071499A  
;; Publication No. US20030104406A1  
;; GENERAL INFORMATION:  
;; APPLICANT: MOLEMAN, NEIL  
;; APPLICANT: KHOR, SOO-PEANG  
;; TITLE OF INVENTION: MODIFIED AND STABILIZED GDF PROPEPTIDES AND USES THEREOF  
;; FILE REFERENCE: 08702-0100-00000  
;; CURRENT APPLICATION NUMBER: US/10/071,499A  
;; CURRENT FILING DATE: 2002-09-04  
;; NUMBER OF SEQ ID NOS: 16  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 15  
;; LENGTH: 232  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-071-499A-15

Query Match 96.7%; Score 1219; DB 14; Length 232;  
Best Local Similarity 96.1%; Pred. No. 1,6e-89;  
Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHCPCPAPPELLGSPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
DB 1 EPKSCDKHTHCPCPAPPELLGSPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NMVYDGEVHNVTKPREEQYNSTYRVSVLTVLHQMNMNGKCKYKCNKALPAPIEKT 120  
DB 61 NMVYDGEVHNVTKPREEQYNSTYRVSVLTVLHQMNMNGKCKYKCNKALPAPIEKT 120  
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNQPENNYKTTTP 180  
DB 121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNQPENNYKTTTP 180  
QY 181 PVLDSGSFFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDSGSFFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232

## RESULT 8

US-10-020-354-83  
;; Sequence 83, Application US/10020354  
;; Publication No. US20030109031A1  
;; GENERAL INFORMATION:  
;; APPLICANT: DALL'ACQUA, WILLIAM  
;; APPLICANT: JOHNSON, LESLIE  
;; APPLICANT: WARD, ELIZABETH SALLY  
;; TITLE OF INVENTION: MOLECULES WITH EXTENDED HALF-LIVES, COMPOSITIONS AND USES THEREOF  
;; FILE REFERENCE: 10271-027  
;; CURRENT APPLICATION NUMBER: US/10/020,354  
;; CURRENT FILING DATE: 2001-12-12  
;; PRIOR APPLICATION NUMBER: 60/254,884  
;; PRIOR FILING DATE: 2000-12-12  
;; PRIOR APPLICATION NUMBER: 60/238,760  
;; PRIOR FILING DATE: 2001-05-09  
;; NUMBER OF SEQ ID NOS: 118  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 83  
;; LENGTH: 232  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-020-354-83

Query Match 96.7%; Score 1219; DB 14; Length 232;

Best Local Similarity 96.1%; Pred. No. 1.6e-89;  
Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

```
QY 1 EPKSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHONMNGKEYCKVSNKALPAPIEKT 120
DB 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHONMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180
DB 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180
QY 181 PVLDSGSEFFLYSKLTVDKSRWQGNVSCSVMEHALHNHYTQKSLSPGK 232
DB 181 PVLDSGSEFFLYSKLTVDKSRWQGNVSCSVMEHALHNHYTQKSLSPGK 232
```

RESULT 9  
US-10-466-593-2

```
/ Sequence 2, Application US/10466593
/ Publication No. US20040043457A1
/ GENERAL INFORMATION:
/ APPLICANT: Schumacher, Silke
/ APPLICANT: Gillies, Stephen
/ TITLE OF INVENTION: BIFUNCTIONAL FUSION PROTEINS WITH
/ FILE REFERENCE: MER-108
/ CURRENT APPLICATION NUMBER: US/10/466,593
/ PRIOR FILING DATE: 2003-07-17
/ PRIOR APPLICATION NUMBER: PCT/EP01/15338
/ PRIOR FILING DATE: 2001-12-27
/ PRIOR APPLICATION NUMBER: EP 01101056.8
/ NUMBER OF SEQ ID NOS: 3
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 2
/ LENGTH: 232
/ TYPE: PRT
/ ORGANISM: Homo Sapiens
US-10-466-593-2
```

Query Match 96.7%; Score 1219; DB 15; Length 232;  
Best Local Similarity 96.1%; Pred. No. 1.6e-89;  
Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

```
QY 1 EPKSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHONMNGKEYCKVSNKALPAPIEKT 120
DB 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHONMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180
DB 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180
QY 181 PVLDSGSEFFLYSKLTVDKSRWQGNVSCSVMEHALHNHYTQKSLSPGK 232
DB 181 PVLDSGSEFFLYSKLTVDKSRWQGNVSCSVMEHALHNHYTQKSLSPGK 232
```

RESULT 10  
US-09-977-034-4

```
/ Sequence 4, Application US/09977034
/ Patent No. US20020081664A1
/ GENERAL INFORMATION:
/ APPLICANT: Lo, Kin-Ming
/ APPLICANT: Sun, Yaping
/ APPLICANT: Gillies, Stephen D.
```

TITLE OF INVENTION: Expression and Export of Interferon-Alpha Proteins as  
FILE REFERENCE: LEX-009  
CURRENT APPLICATION NUMBER: US/09/977, 034  
PRIOR FILING DATE: 2001-10-11  
PRIOR APPLICATION NUMBER: US/09/575, 503  
PRIOR FILING DATE: 2000-05-19  
PRIOR APPLICATION NUMBER: US 60/134,895  
NUMBER OF SEQ ID NOS: 29  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 4  
LENGTH: 232  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-977-034-4

Query Match 96.0%; Score 1209; DB 9; Length 232;  
Best Local Similarity 95.7%; Pred. No. 1e-88;  
Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

```
QY 1 EPKSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHONMNGKEYCKVSNKALPAPIEKT 120
DB 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHONMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180
DB 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180
QY 181 PVLDSGSEFFLYSKLTVDKSRWQGNVSCSVMEHALHNHYTQKSLSPGK 232
DB 181 PVLDSGSEFFLYSKLTVDKSRWQGNVSCSVMEHALHNHYTQKSLSPGK 232
```

RESULT 11  
US-10-292-418-2

```
/ Sequence 2, Application US/10292418
/ Publication No. US20030139365A1
/ GENERAL INFORMATION:
/ APPLICANT: Lo, Kin-Ming
/ APPLICANT: Li, Yue
/ APPLICANT: Gillies, Stephen D
/ TITLE OF INVENTION: Expression and Export of Angiogenesis Inhibitors as
/ FILE REFERENCE: LEX-006C1
/ CURRENT APPLICATION NUMBER: US/10/292,418
/ PRIOR FILING DATE: 2002-11-12
/ PRIOR APPLICATION NUMBER: 09/383,315
/ PRIOR FILING DATE: 1999-08-25
/ PRIOR APPLICATION NUMBER: US 60/097,883
/ NUMBER OF SEQ ID NOS: 54
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 2
/ LENGTH: 232
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-292-418-2
```

Query Match 96.0%; Score 1209; DB 14; Length 232;  
Best Local Similarity 95.7%; Pred. No. 1e-88;  
Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

```
QY 1 EPKSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPKSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHONMNGKEYCKVSNKALPAPIEKT 120
DB 61 NMVYDGEVHNAVTKRREQYNSTYRVSVLTVLHONMNGKEYCKVSNKALPAPIEKT 120
```

Db 61 NMVYDGEVHNATKPREBOYNSTYRVSVLTVLHQMNGKEYCKVSNKALPAPIEKT 120  
Qy 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIAYEWESNGQPENNYKTTT 180  
Db 121 ISKAKGQPREPOVYTLPPSRDEMTKNQVSLTCLVKGFPSPDIAYEWESNGQPENNYKTTT 180  
Qy 181 PVLDSVGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYQORSLSLSPGK 232  
Db 181 PVLDSGDSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYQORSLSLSPGK 232

RESULT 12  
US-10-419-058-6  
Sequence 6, Application US/10419058  
Publication No. US20040053366A1

GENERAL INFORMATION:  
APPLICANT: Lo, Kin-Ming  
APPLICANT: Zhang, Jinyang  
APPLICANT: Gillies, Stephen D.  
TITLE OF INVENTION: Expression and Export of Anti-Obesity Proteins as Fc  
FILE REFERENCE: LEX-008  
CURRENT APPLICATION NUMBER: US/10/419,058  
CURRENT FILING DATE: 2003-04-18  
PRIOR APPLICATION NUMBER: US/09/479,508  
PRIOR FILING DATE: 2000-01-07  
PRIOR APPLICATION NUMBER: US 60/115,079  
PRIOR FILING DATE: 1999-01-07  
NUMBER OF SEQ ID NOS: 20  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6  
LENGTH: 232  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-419-058-6

Query Match 96.0%; Score 1209; DB 15; Length 232;  
Best Local Similarity 95.7%; Pred. No. 1e-88;  
Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Qy 1 EPKSCDTHTCPCPCPAPELLGSPVFLPPPKPDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPKSSDTHTCPCPCPAPELLGSPVFLPPPKPDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Qy 61 NMVYDGEVHNATKPREBOYNSTYRVSVLTVLHQMNGKEYCKVSNKALPAPIEKT 120  
Db 61 NMVYDGEVHNATKPREBOYNSTYRVSVLTVLHQMNGKEYCKVSNKALPAPIEKT 120  
Qy 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIAYEWESNGQPENNYKTTT 180  
Db 121 ISKAKGQPREPOVYTLPPSRDEMTKNQVSLTCLVKGFPSPDIAYEWESNGQPENNYKTTT 180  
Qy 181 PVLDSVGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYQORSLSLSPGK 232  
Db 181 PVLDSGDSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYQORSLSLSPGK 232

RESULT 13  
US-10-953-259-4  
Sequence 4, Application US/10953259  
Publication No. US20050042729A1  
GENERAL INFORMATION:  
APPLICANT: Lo, Kin-Ming  
APPLICANT: Sun, Yaping  
APPLICANT: Gillies, Stephen D.  
TITLE OF INVENTION: Expression and Export of Interferon-Alpha Proteins as  
FILE REFERENCE: LEX-009DVC1  
CURRENT APPLICATION NUMBER: US/10/953,259  
CURRENT FILING DATE: 2004-09-29  
PRIOR APPLICATION NUMBER: US 09/977,034  
PRIOR FILING DATE: 2001-10-11  
PRIOR APPLICATION NUMBER: US 09/575,503

PRIOR FILING DATE: 2000-05-19  
PRIOR APPLICATION NUMBER: US 60/134,895  
PRIOR FILING DATE: 1999-05-19  
NUMBER OF SEQ ID NOS: 29  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 4  
LENGTH: 232  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-953-259-4

Query Match 96.0%; Score 1209; DB 17; Length 232;  
Best Local Similarity 95.7%; Pred. No. 1e-88;  
Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Qy 1 EPKSCDTHTCPCPCPAPELLGSPVFLPPPKPDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPKSSDTHTCPCPCPAPELLGSPVFLPPPKPDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Qy 61 NMVYDGEVHNATKPREBOYNSTYRVSVLTVLHQMNGKEYCKVSNKALPAPIEKT 120  
Db 61 NMVYDGEVHNATKPREBOYNSTYRVSVLTVLHQMNGKEYCKVSNKALPAPIEKT 120  
Qy 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIAYEWESNGQPENNYKTTT 180  
Db 121 ISKAKGQPREPOVYTLPPSRDEMTKNQVSLTCLVKGFPSPDIAYEWESNGQPENNYKTTT 180  
Qy 181 PVLDSVGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYQORSLSLSPGK 232  
Db 181 PVLDSGDSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYQORSLSLSPGK 232

RESULT 14  
US-10-313-135-4  
Sequence 4, Application US/10313135  
Publication No. US20030109003A1  
GENERAL INFORMATION:  
APPLICANT: Mosley, Bruce  
APPLICANT: Cosman, David J.  
TITLE OF INVENTION: Receptor for Oncostatin M  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: Apple 7.1  
SOFTWARE: Microsoft Word, Version 5.1a  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/313,135  
FILING DATE: 06-Dec-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/058,264  
FILING DATE: <Unknown>  
APPLICATION NUMBER: US/08/308,881  
FILING DATE: 12-SEP-1994  
APPLICATION NUMBER: US 08/249,553  
FILING DATE: 26-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Seeze, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2614-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 587-0640  
TELEFAX: (206) 233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 4:

```

;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-313-135-4

```

```

Query Match          95.3%; Score 1201; DB 14; Length 232;
Best Local Similarity 94.4%; Pred. No. 4,4e-88;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

```

```

QY 1 EPRKCDTHTCPPCPAPABELLGGPSVFLPPPKPDITLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 1 EPRKCDTHTCPPCPAPABELLGGPSVFLPPPKPDITLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NMVYDGEVHNATKREEDQNSTYRVSVLTLHONMNGKEYKCKVSNKALPAPIEKT 120
DB 61 NMVYDGEVHNATKREEDQNSTYRVSVLTLHODMNGKDYCKVSNKALPAPMOKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
DB 121 ISKAKQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPRHIAVEWESNGQPENNYKTP 180
QY 181 PVLDSGSEFFLYSKLTVDKSRWQQGNVSCSYMHIALHNYTKQSLSPGK 232
DB 181 PVLDSGSEFFLYSKLTVDKSRWQQGNVSCSYMHIALHNYTKQSLSPGK 232

```

```

RESULT 15
US-10-879-994-8
; Sequence 8, Application US/10879994
; Publication No. US20050032175A1
; GENERAL INFORMATION:
; APPLICANT: Strahl, Neil
; APPLICANT: Yancopoulos, George D.
; APPLICANT: Karrow, Margaret
; APPLICANT: Smith, Eric
; TITLE OF INVENTION: HIGH AFFINITY FUSION PROTEINS AND THERAPEUTIC AND DIAGNOSTIC METH
; FILE REFERENCE: REG 203E2
; CURRENT APPLICATION NUMBER: US/10/879,994
; PRIOR FILING DATE: 2004-06-29
; PRIOR APPLICATION NUMBER: 10/610,452
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 229
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-879-994-8

```

Search completed: March 14, 2005, 11:00:28  
Job time : 137 secs

```

Query Match          94.9%; Score 1196; DB 17; Length 229;
Best Local Similarity 96.5%; Pred. No. 1,1e-87;
Matches 221; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

```

4 SCDKTHTCPPCPAPABELLGGPSVFLPPPKPDITLMISRTPEVTCVVVDVSHEDPEVKF 63

1 SCDKTHTCPPCPAPABELLGGPSVFLPPPKPDITLMISRTPEVTCVVVDVSHEDPEVKF 60

64 VDGVEVHNATKREEDQNSTYRVSVLTLHONMNGKEYKCKVSNKALPAPIEKT 123

61 VDGVEVHNATKREEDQNSTYRVSVLTLHODMNGKEYKCKVSNKALPAPIEKT 120

124 AKQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 183

121 AKQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180

184 DVSQSEFFLYSKLTVDKSRWQQGNVSCSYMHIALHNYTKQSLSPGK 232

181 DVSQSEFFLYSKLTVDKSRWQQGNVSCSYMHIALHNYTKQSLSPGK 229



Qy 121 ISKAVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIIVEMESNGQPNNTKTP 180  
Db 121 ISKAGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIIVEMESNGQPNNTKTP 180  
Qy 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232  
Db 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232

RESULT 2  
US-09-968-362A-26  
Sequence 26, Application US/09968362A  
Patent No. 6797493  
GENERAL INFORMATION:  
APPLICANT: Sun, Lee-Hwei K  
APPLICANT: Sun, Bill  
APPLICANT: Sun, Cecily R  
TITLE OF INVENTION: Fc fusion proteins of human granulocyte colony-stimulating factor  
FILE REFERENCE: Increased biological activities  
CURRENT APPLICATION NUMBER: US/09/968,362A  
CURRENT FILING DATE: 2001-10-01  
NUMBER OF SEQ ID NOS: 28  
SOFTWARE: Patentin version 3.1  
SEQ ID NO 26  
LENGTH: 232  
TYPE: PRT  
ORGANISM: Human IgG1 Fc with native hinge, CH2 and CH3 domains  
US-09-968-362A-26

Query Match 97.2%; Score 1225; DB 4; Length 232;  
Best Local Similarity 97.0%; Pred. No. 3,66-116;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPKSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEVKF 60  
Qy 61 NMVYDGEVHNKTKPREQYNSTYRVVSVLTVTHQDMNGKREYCKVSNKALPAPIEKT 120  
Db 61 NMVYDGEVHNKTKPREQYNSTYRVVSVLTVTHQDMNGKREYCKVSNKALPAPIEKT 120  
Qy 121 ISKAVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIIVEMESNGQPNNTKTP 180  
Db 121 ISKAGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIIVEMESNGQPNNTKTP 180  
Qy 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232  
Db 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232

RESULT 3  
US-07-797-556-4  
Sequence 4, Application US/07797556  
Patent No. 5262522  
GENERAL INFORMATION:  
APPLICANT: Geating, David P.  
TITLE OF INVENTION: Receptor for Oncostatin M and Leukemia  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patentin Release #1.0, Version #1.25

Qy 1 EPKSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPKSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEVKF 60  
Qy 61 NMVYDGEVHNKTKPREQYNSTYRVVSVLTVTHQDMNGKREYCKVSNKALPAPIEKT 120  
Db 61 NMVYDGEVHNKTKPREQYNSTYRVVSVLTVTHQDMNGKREYCKVSNKALPAPIEKT 120  
Qy 121 ISKAVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIIVEMESNGQPNNTKTP 180  
Db 121 ISKAGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIIVEMESNGQPNNTKTP 180  
Qy 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232  
Db 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232

RESULT 4  
US-08-225-989-4  
Sequence 4, Application US/08225989  
Patent No. 5480981  
GENERAL INFORMATION:  
APPLICANT: Goodwin, Raymond G.  
APPLICANT: Smith, Craig A.  
APPLICANT: Amilage, Richard J.  
TITLE OF INVENTION: No. 5480981el Cytokine That Binds CD30  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Kathryn A. Seese, Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: Apple Macintosh  
SOFTWARE: Microsoft Word, Version 5.1a  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/225,989  
FILING DATE: 12 April 1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/966,775  
FILING DATE: 27-OCT-1992  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 907,224

Qy 1 EPKSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPKSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEVKF 60  
Qy 61 NMVYDGEVHNKTKPREQYNSTYRVVSVLTVTHQDMNGKREYCKVSNKALPAPIEKT 120  
Db 61 NMVYDGEVHNKTKPREQYNSTYRVVSVLTVTHQDMNGKREYCKVSNKALPAPIEKT 120  
Qy 121 ISKAVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIIVEMESNGQPNNTKTP 180  
Db 121 ISKAGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIIVEMESNGQPNNTKTP 180  
Qy 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232  
Db 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232

Query Match 95.3%; Score 1201; DB 1; Length 232;  
Best Local Similarity 94.4%; Pred. No. 9,9e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPKSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEVKF 60  
Qy 61 NMVYDGEVHNKTKPREQYNSTYRVVSVLTVTHQDMNGKREYCKVSNKALPAPIEKT 120  
Db 61 NMVYDGEVHNKTKPREQYNSTYRVVSVLTVTHQDMNGKREYCKVSNKALPAPIEKT 120  
Qy 121 ISKAVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIIVEMESNGQPNNTKTP 180  
Db 121 ISKAGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIIVEMESNGQPNNTKTP 180  
Qy 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232  
Db 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQORSLSLSPGK 232

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/797,556  
FILING DATE: 19911122  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Seese, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2607  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 206-587-0430  
TELEFAX: 206-587-0606  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-07-797-556-4



FILING DATE: 01-JUL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 899,660  
FILING DATE: 15-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 892,459  
FILING DATE: 02-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 889,717  
FILING DATE: 26-MAY-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Seese, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2804-E  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-225-989-4

Query Match 95.3%; Score 1201; DB 1; Length 232;  
Best Local Similarity 94.4%; Pred. No. 9.9e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPRSCDTHTCPPCPABELLGGPSVFLPPPKPDTLMISRTPEVTCVVDVSHDEPVKF 60  
DB 1 EPRSCDTHTCPPCPABELLGGPSVFLPPPKPDTLMISRTPEVTCVVDVSHDEPVKF 60  
QY 61 NMVYDGEVHNNAKTKPREBOYNSTYRVSVLTVLHQMNMNGKEYCKKVSNAKALPAPIEKT 120  
DB 61 NMVYDGEVHNNAKTKPREBOYNSTYRVSVLTVLHQMNMNGKEYCKKVSNAKALPAPIEKT 120  
QY 121 ISKAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIAVWESNGQPENNYKTPP 180  
DB 121 ISKAKGQPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIAVWESNGQPENNYKTPP 180  
QY 181 PVLDSGVSFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQKSLSPK 232  
DB 181 PVLDSGVSFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQKSLSPK 232

RESULT 5  
US-08-570-923-4  
Sequence 4, Application US/08570923  
Patent No. 5677430  
GENERAL INFORMATION:  
APPLICANT: Goodwin, Raymond G.  
APPLICANT: Smith, Craig A.  
APPLICANT: Armistage, Richard J.  
APPLICANT: Grues, Hans-Jurgen  
TITLE OF INVENTION: No. 5677430el Cytokine That Binds CD30  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Kathryn A. Seese, Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: Apple 7.1  
SOFTWARE: Microsoft Word, Version 5.1a  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/570,923  
FILING DATE: 12-DEC-1995

CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/225,989  
FILING DATE: 12 APRIL 1994  
APPLICATION NUMBER: US 07/966,775  
FILING DATE: 27-OCT-1992  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 907,224  
FILING DATE: 01-JUL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 899,660  
FILING DATE: 15-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 892,459  
FILING DATE: 02-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 889,717  
FILING DATE: 26-MAY-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Seese, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2804-E  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-570-923-4

Query Match 95.3%; Score 1201; DB 1; Length 232;  
Best Local Similarity 94.4%; Pred. No. 9.9e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPRSCDTHTCPPCPABELLGGPSVFLPPPKPDTLMISRTPEVTCVVDVSHDEPVKF 60  
DB 1 EPRSCDTHTCPPCPABELLGGPSVFLPPPKPDTLMISRTPEVTCVVDVSHDEPVKF 60  
QY 61 NMVYDGEVHNNAKTKPREBOYNSTYRVSVLTVLHQMNMNGKEYCKKVSNAKALPAPIEKT 120  
DB 61 NMVYDGEVHNNAKTKPREBOYNSTYRVSVLTVLHQMNMNGKEYCKKVSNAKALPAPIEKT 120  
QY 121 ISKAKVQPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIAVWESNGQPENNYKTPP 180  
DB 121 ISKAKGQPREPOVYTLPPSRDELTKQVSLTCLVKGFPSPDIAVWESNGQPENNYKTPP 180  
QY 181 PVLDSGVSFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQKSLSPK 232  
DB 181 PVLDSGVSFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQKSLSPK 232

RESULT 6  
US-08-580-014-4  
Sequence 4, Application US/08580014  
Patent No. 5753203  
GENERAL INFORMATION:  
APPLICANT: Goodwin, Raymond G.  
APPLICANT: Smith, Craig A.  
APPLICANT: Armistage, Richard J.  
APPLICANT: Grues, Hans-Jurgen  
TITLE OF INVENTION: No. 5753203el Cytokine That Binds CD30  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Kathryn A. Seese, Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA

```

; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Apple 7.1
; SOFTWARE: Microsoft Word, Version 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/580,014
; FILING DATE: 20-DEC-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/225,989
; FILING DATE: 12 APRIL 1994
; APPLICATION NUMBER: US 07/966,775
; FILING DATE: 27-OCT-1992
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 907,224
; FILING DATE: 01-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 899,660
; FILING DATE: 15-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 892,459
; FILING DATE: 02-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 889,717
; FILING DATE: 26-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Seese, Kathryn A.
; REGISTRATION NUMBER: 32,172
; REFERENCE/DOCKET NUMBER: 2804-E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; TELEX: 756822
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-580-014-4

```

```

Query Match      95.3%; Score 1201; DB 1; Length 232;
Best Local Similarity 94.4%; Pred. No. 9.9e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 1 EPRSCDKTHTCPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NMYVDGVEVHNAKTKPREEOYNSTYRVSVLTTLHOMWANGKEYKCKVSNKALPAPIEKT 120
DB 61 NMYVDGVEVHNAKTKPREEOYNSTYRVSVLTTLHOMWANGKEYKCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTT 180
DB 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTT 180
QY 121 ISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTT 180
DB 121 ISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTT 180
QY 181 PVLDSGSEFLYSLKLTVDKSRWQGNVFCGVHNEALHNHYOQSISSLSPGK 232
DB 181 PVLDSGSEFLYSLKLTVDKSRWQGNVFCGVHNEALHNHYOQSISSLSPGK 232

```

```

RESULT 7
; US-08-308-881-4
; Sequence 4, Application US/08308881
; Patent No. 5783672
; GENERAL INFORMATION:
; APPLICANT: Mosley, Bruce
; APPLICANT: Cosman, David J.
; TITLE OF INVENTION: Receptor for Oncostatin M

```

```

; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Apple 7.1
; SOFTWARE: Microsoft Word, Version 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/308,881
; FILING DATE: 12-SEP-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/249,553
; FILING DATE: 26-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Seese, Kathryn A.
; REGISTRATION NUMBER: 32,172
; REFERENCE/DOCKET NUMBER: 2614-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; TELEX: 756822
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-308-881-4

```

```

Query Match      95.3%; Score 1201; DB 1; Length 232;
Best Local Similarity 94.4%; Pred. No. 9.9e-114;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 1 EPRSCDKTHTCPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKF 60
QY 61 NMYVDGVEVHNAKTKPREEOYNSTYRVSVLTTLHOMWANGKEYKCKVSNKALPAPIEKT 120
DB 61 NMYVDGVEVHNAKTKPREEOYNSTYRVSVLTTLHOMWANGKEYKCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTT 180
DB 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTT 180
QY 121 ISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTT 180
DB 121 ISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTT 180
QY 181 PVLDSGSEFLYSLKLTVDKSRWQGNVFCGVHNEALHNHYOQSISSLSPGK 232
DB 181 PVLDSGSEFLYSLKLTVDKSRWQGNVFCGVHNEALHNHYOQSISSLSPGK 232

```

```

RESULT 8
; US-09-058-263-4
; Sequence 4, Application US/09058263
; Patent No. 5891997
; GENERAL INFORMATION:
; APPLICANT: Mosley, Bruce
; APPLICANT: Cosman, David J.
; TITLE OF INVENTION: Receptor for Oncostatin M
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101

```

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: Apple 7.1  
SOFTWARE: Microsoft Word, Version 5.1a  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/058,263  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/308,881  
FILING DATE: 12-SEP-1994  
APPLICATION NUMBER: US 08/249,553  
FILING DATE: 26-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Seese, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2614-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 587-0430  
TELEFAX: (206) 233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-058-263-4

Query Match 95.3%; Score 1201; DB 2; Length 232;  
Best Local Similarity 94.4%; Pred. No. 9.9e-114;

Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPBELIGSPSVLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
DB 1 EPKSCDKHTCPCPAPBELIGSPSVLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVNVTKPREEOYNSTYRVSVLTIVLHQMNGKCKCVSKALPAPIEKT 120  
DB 61 NWYVDGVEVNVTKPREEOYNSTYRVSVLTIVLHQMNGKCKCVSKALPAPIEKT 120  
QY 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIWEMESNQPENNYKTTT 180  
DB 121 ISKAKGPREPOVYTLPPSRDELTKNOVSLTCLVKGFPPIHIAWEMESNQPENNYKTTT 180  
QY 121 ISKAKGPREPOVYTLPPSRDELTKNOVSLTCLVKGFPPIHIAWEMESNQPENNYKTTT 180  
DB 121 ISKAKGPREPOVYTLPPSRDELTKNOVSLTCLVKGFPPIHIAWEMESNQPENNYKTTT 180  
QY 181 PVIDSGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQKSLSPGK 232  
DB 181 PVIDSGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQKSLSPGK 232

RESULT 9  
US-09-059-099-4  
Sequence 4, Application US/09059099  
Patent No. 5925740  
GENERAL INFORMATION:  
APPLICANT: Mosley, Bruce  
APPLICANT: Coeman, David J.  
TITLE OF INVENTION: Receptor for Oncostatin M  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: Apple 7.1  
SOFTWARE: Microsoft Word, Version 5.1a  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/059,099  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/308,881  
FILING DATE: 12-SEP-1994  
APPLICATION NUMBER: US 08/249,553  
FILING DATE: 26-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Seese, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2614-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 587-0430  
TELEFAX: (206) 233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-059-099-4

Query Match 95.3%; Score 1201; DB 2; Length 232;  
Best Local Similarity 94.4%; Pred. No. 9.9e-114;

Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPBELIGSPSVLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
DB 1 EPKSCDKHTCPCPAPBELIGSPSVLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVNVTKPREEOYNSTYRVSVLTIVLHQMNGKCKCVSKALPAPIEKT 120  
DB 61 NWYVDGVEVNVTKPREEOYNSTYRVSVLTIVLHQMNGKCKCVSKALPAPIEKT 120  
QY 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLTCLVKGFPSPDIWEMESNQPENNYKTTT 180  
DB 121 ISKAKGPREPOVYTLPPSRDELTKNOVSLTCLVKGFPPIHIAWEMESNQPENNYKTTT 180  
QY 121 ISKAKGPREPOVYTLPPSRDELTKNOVSLTCLVKGFPPIHIAWEMESNQPENNYKTTT 180  
DB 121 ISKAKGPREPOVYTLPPSRDELTKNOVSLTCLVKGFPPIHIAWEMESNQPENNYKTTT 180  
QY 181 PVIDSGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQKSLSPGK 232  
DB 181 PVIDSGSFPLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYQKSLSPGK 232

RESULT 10  
US-09-058-264-4  
Sequence 4, Application US/09058264  
Patent No. 6010886  
GENERAL INFORMATION:  
APPLICANT: Mosley, Bruce  
APPLICANT: Coeman, David J.  
TITLE OF INVENTION: Receptor for Oncostatin M  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: Apple 7.1  
SOFTWARE: Microsoft Word, Version 5.1a  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/058,264  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/308,881  
FILING DATE: 12-SEP-1994



PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/058,264  
FILING DATE: 26-MAY-1994  
APPLICATION NUMBER: US 08/249,553  
FILING DATE: 26-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Seese, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2614-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 587-0430  
TELEFAX: (206) 233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-455-962-4

Query Match 95.3%; Score 1201; DB 4; Length 232;  
Best Local Similarity 94.4%; Pred. No. 9.9e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPPELLGSPSVFLPPPKKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
DB 1 EPKSCDKHTCPCPAPPELLGSPSVFLPPPKKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NWYVDGEVNAVTKPREEQNSTYRVSVLTVLHQMNMNGKEYCKCVSKALPAPIEKT 120  
DB 61 NWYVDGEVNAVTKPREEQNSTYRVSVLTVLHQMNMNGKEYCKCVSKALPAPIEKT 120  
QY 121 ISKAKQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTT 180  
DB 121 ISKAKQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTT 180  
QY 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYOORSLSPGK 232  
DB 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYOORSLSPGK 232

RESULT 13  
US-09-628-126-4  
Sequence 4, Application US/09628126  
Patent No. 6687039  
GENERAL INFORMATION:  
APPLICANT: Goodwin, Raymond G.  
APPLICANT: Smith, Craig A.  
APPLICANT: Armitage, Richard J.  
APPLICANT: Grues, Hans-Jurgen  
TITLE OF INVENTION: No. 6687039el Cytokine That Binds CD30  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Kathryn A. Seese, Immunex Corporation  
STREET: 51 University Street  
City: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: Apple 7.1  
SOFTWARE: Microsoft Word, Version 5.1a  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/628,126  
FILING DATE: 28-JULY-2000  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/570,923  
FILING DATE: 12-DEC-1995  
APPLICATION NUMBER: US/08/225,989

FILING DATE: 12 APRIL 1994  
APPLICATION NUMBER: US 07/966,775  
FILING DATE: 27-OCT-1992  
APPLICATION NUMBER: US 907,224  
FILING DATE: 01-JUL-1992  
APPLICATION NUMBER: US 899,660  
FILING DATE: 15-JUN-1992  
APPLICATION NUMBER: US 892,459  
FILING DATE: 02-JUN-1992  
APPLICATION NUMBER: US 889,717  
FILING DATE: 26-MAY-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Seese, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2804-E  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-628-126-4

Query Match 95.3%; Score 1201; DB 4; Length 232;  
Best Local Similarity 94.4%; Pred. No. 9.9e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPPELLGSPSVFLPPPKKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
DB 1 EPKSCDKHTCPCPAPPELLGSPSVFLPPPKKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NWYVDGEVNAVTKPREEQNSTYRVSVLTVLHQMNMNGKEYCKCVSKALPAPIEKT 120  
DB 61 NWYVDGEVNAVTKPREEQNSTYRVSVLTVLHQMNMNGKEYCKCVSKALPAPIEKT 120  
QY 121 ISKAKQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTT 180  
DB 121 ISKAKQPREPOVYTLPPSRDELTKNOVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTT 180  
QY 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYOORSLSPGK 232  
DB 181 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHYOORSLSPGK 232

RESULT 14  
PCT-US95-06530-4  
Sequence 4, Application PC/TUS9506530  
GENERAL INFORMATION:  
APPLICANT: Mosley, Bruce  
APPLICANT: Cosman, David J.  
TITLE OF INVENTION: Receptor for Oncostatin M  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation  
STREET: 51 University Street  
City: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/06530  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/308,881  
FILING DATE: 09-SEP-1994  
APPLICATION NUMBER: US 08/249,553  
FILING DATE: 26-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Anderson, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2614-WO  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 587-0430  
TELEFAX: (206) 233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
PCT-US95-06530-4

Query Match 95.3%; Score 1201; DB 5; Length 232;  
Best Local Similarity 94.4%; Pred. No. 9.9e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPKSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NMVVDGVEVHNAVTKRREQVNSTYRVSVLTVLHQDMNKGKDYCKSNALPAPMOKT 120  
DB 61 NMVVDGVEVHNAVTKRREQVNSTYRVSVLTVLHQDMNKGKDYCKSNALPAPMOKT 120  
QY 121 ISKAKVQPREPOVYTLPSRDELITGNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180  
DB 121 ISKAKVQPREPOVYTLPSRDELITGNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNNHQQRSLSISPGK 232  
DB 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNNHQQRSLSISPGK 232

## RESULT 15

PCT-US95-15781-8  
Sequence 8, Application PC/TUS9515781  
GENERAL INFORMATION:  
APPLICANT: Cerretti, Douglas P.  
TITLE OF INVENTION: Cytokine Designated Ierx-7  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: System 7.1  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/15781  
FILING DATE: 05-DEC-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/351,025  
FILING DATE: 06-DEC-1994  
CLASSIFICATION:  
APPLICATION NUMBER: US 08/396,946  
FILING DATE: 01-MAR-1995  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Anderson, Kathryn A.

REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2829-WO  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 587-0430  
TELEFAX: (206) 233-0644  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
PCT-US95-15781-8

Query Match 95.3%; Score 1201; DB 5; Length 232;  
Best Local Similarity 94.4%; Pred. No. 9.9e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPKSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NMVVDGVEVHNAVTKRREQVNSTYRVSVLTVLHQDMNKGKDYCKSNALPAPMOKT 120  
DB 61 NMVVDGVEVHNAVTKRREQVNSTYRVSVLTVLHQDMNKGKDYCKSNALPAPMOKT 120  
QY 121 ISKAKVQPREPOVYTLPSRDELITGNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180  
DB 121 ISKAKVQPREPOVYTLPSRDELITGNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNNHQQRSLSISPGK 232  
DB 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNNHQQRSLSISPGK 232

Search completed: March 14, 2005, 10:49:21  
Job time: 44 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

## OM protein - protein search, using sw model

Run on: March 14, 2005, 10:58:09 ; Search time 137 Seconds

(without alignments)  
770,441 Million cell updates/sec

Title: US-09-847-208b-6

Sequence: 1 FTPTPTKILQSSCDGGGHFP.....HEAASPSQTVQRAVSVPK 320

Scoring table: BLOSUM62

Gap 10.0 , Gapext 0.5

Searched: 1396920 seqs, 32984858 residues

Total number of hits satisfying chosen parameters: 1025334

Minimum DB seq length: 0

Maximum DB seq length: 320

Post-processing: Minimum Match 100%

Listing first 45 summaries

Database :

```
1: /cgnt2_6/ptodata/2/pubppaa/US07_PUBCOMB.pep:*
2: /cgnt2_6/ptodata/2/pubppaa/PCRT_NEW_PUB.pep:*
3: /cgnt2_6/ptodata/2/pubppaa/US06_NEW_PUB.pep:*
4: /cgnt2_6/ptodata/2/pubppaa/US06_PUBCOMB.pep:*
5: /cgnt2_6/ptodata/2/pubppaa/US07_NEW_PUB.pep:*
6: /cgnt2_6/ptodata/2/pubppaa/PCRTUS_PUBCOMB.pep:*
7: /cgnt2_6/ptodata/2/pubppaa/US08_NEW_PUB.pep:*
8: /cgnt2_6/ptodata/2/pubppaa/US08_PUBCOMB.pep:*
9: /cgnt2_6/ptodata/2/pubppaa/US09_PUBCOMB.pep:*
10: /cgnt2_6/ptodata/2/pubppaa/US09B_PUBCOMB.pep:*
11: /cgnt2_6/ptodata/2/pubppaa/US09C_PUBCOMB.pep:*
12: /cgnt2_6/ptodata/2/pubppaa/US09_NEW_PUB.pep:*
13: /cgnt2_6/ptodata/2/pubppaa/US10_PUBCOMB.pep:*
14: /cgnt2_6/ptodata/2/pubppaa/US10C_PUBCOMB.pep:*
15: /cgnt2_6/ptodata/2/pubppaa/US10D_PUBCOMB.pep:*
16: /cgnt2_6/ptodata/2/pubppaa/US10E_PUBCOMB.pep:*
17: /cgnt2_6/ptodata/2/pubppaa/US10F_PUBCOMB.pep:*
18: /cgnt2_6/ptodata/2/pubppaa/US11_NEW_PUB.pep:*
19: /cgnt2_6/ptodata/2/pubppaa/US11_NEW_PUB.pep:*
20: /cgnt2_6/ptodata/2/pubppaa/US60_NEW_PUBCOMB.pep:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1707	100.0	320	US-09-847-208-6	Sequence 6, App11
2	1707	100.0	320	US-10-000-439-6	Sequence 6, App11
3	1171	68.6	220	US-10-704-406-3	Sequence 3, App11
4	1158	67.8	222	US-09-809-746-2	Sequence 2, App11
5	1158	67.8	222	US-09-809-715-6	Sequence 6, App11
6	1158	67.8	222	US-10-704-406-2	Sequence 2, App11
7	1011.5	59.3	236	US-10-152-190-9	Sequence 9, App11
8	602	35.3	115	US-10-152-190-4	Sequence 4, App11
9	581	34.0	109	US-10-214-524-41	Sequence 41, App11
10	570	33.4	107	US-10-214-524-42	Sequence 42, App11
11	566.5	33.2	109	US-09-802-077-1	Sequence 1, App11
12	566.5	33.2	109	US-09-802-096-1	Sequence 1, App11
13	566.5	33.2	109	US-09-925-179-1	Sequence 1, App11

14	554	32.5	129	US-10-152-190-6	Sequence 6, App11
15	551	32.3	108	US-10-152-190-8	Sequence 8, App11
16	526	30.8	128	US-10-152-190-7	Sequence 7, App11
17	523	30.6	115	US-10-152-190-3	Sequence 3, App11
18	513.5	30.1	117	US-10-152-190-2	Sequence 2, App11
19	416.5	24.4	120	US-09-797-481-8	Sequence 8, App11
20	415	24.3	310	US-10-684-109-75	Sequence 75, App11
21	392	23.0	234	US-10-292-418-33	Sequence 33, App11
22	384	22.5	71	US-10-214-524-43	Sequence 43, App11
23	373.5	21.9	114	US-10-152-190-1	Sequence 1, App11
24	362	21.2	251	US-10-152-363A-31	Sequence 31, App11
25	362	21.2	251	US-10-152-363A-33	Sequence 33, App11
26	360	21.1	232	US-10-008-063-28	Sequence 28, App11
27	360	21.1	293	US-10-008-063-32	Sequence 32, App11
28	358.5	21.0	232	US-10-145-206-124	Sequence 124, App11
29	358	21.0	251	US-10-152-363A-29	Sequence 29, App11
30	358	21.0	251	US-10-152-363A-35	Sequence 35, App11
31	357	20.9	250	US-10-152-363A-35	Sequence 35, App11
32	357	20.9	252	US-10-145-206-118	Sequence 118, App11
33	356.5	20.9	293	US-10-145-206-123	Sequence 123, App11
34	356	20.9	228	US-10-466-593-3	Sequence 3, App11
35	356	20.9	228	US-10-761-593A-27	Sequence 27, App11
36	356	20.9	235	US-09-784-623-6	Sequence 6, App11
37	356	20.9	247	US-10-609-217-12	Sequence 12, App11
38	356	20.9	247	US-10-632-388-12	Sequence 12, App11
39	356	20.9	247	US-10-651-723-12	Sequence 12, App11
40	356	20.9	247	US-10-645-761-12	Sequence 12, App11
41	356	20.9	247	US-10-666-696-12	Sequence 12, App11
42	356	20.9	247	US-10-653-048-12	Sequence 12, App11
43	356	20.9	269	US-10-609-217-10	Sequence 10, App11
44	356	20.9	269	US-10-632-388-10	Sequence 10, App11
45	356	20.9	269	US-10-651-723-10	Sequence 10, App11

## ALIGNMENTS

```
RESULT 1
US-09-847-208-6
; Sequence 6, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-208-6

Query Match      100.0%; Score 1707; DB 10; Length 320;
Best Local Similarity 100.0%; Pred. No. 1.8e-127;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPTPTKILQSSCDGGHFPPTIQLCLVSGYTGCTINITWLEGGQVMDVLSTASTOE 60
   |||
DB 1 FTPTPTKILQSSCDGGHFPPTIQLCLVSGYTGCTINITWLEGGQVMDVLSTASTOE 60
   |||
QY 61 GELASTOSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKKCADSNPGVSAVLRPSFDF 120
   |||
DB 61 GELASTOSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKKCADSNPGVSAVLRPSFDF 120
   |||
QY 121 LFIKSPITITCLVVDLAPSKGTAVLWTSRASGKRVNSTRKEEKQRNGTLTVTSTLPVGT 180
   |||
DB 121 LFIKSPITITCLVVDLAPSKGTAVLWTSRASGKRVNSTRKEEKQRNGTLTVTSTLPVGT 180
   |||
```

Qy	18	RDWEGSTYCRTHHLPALMRSTTKSGPRAADVEYAFATBWPBGSRDKRTIACLIQ	240
Db	181	RDWIEGTYCRRTHHLPALMRSTTKSGPRAADVEYAFATBWPBGSRDKRTIACLIQ	240
Qy	241	NMPEDISVYVNLNEVQLDPARHSTTOPRTKSGGFVFSRLVEYRAEMEKDEFFICRAV	300
Db	241	NMPEDISVYVNLNEVQLDPARHSTTOPRTKSGGFVFSRLVEYRAEMEKDEFFICRAV	300
Qy	301	HEAASPQTVQRAVSVNPGK	320
Db	301	HEAASPQTVQRAVSVNPGK	320

RESULT 2  
US-10-000-439-6  
; Sequence 6, Application US/10000439

```

1  TITLE OF INVENTION:  FUSION MOLECULES AND METHODS FOR
2  TITLE OF INVENTION:  TREATMENT OF IMMUNE DISEASES
3  FILE REFERENCES:  UC067.004A
4  CURRENT APPLICATION NUMBER:  US/10/000.439
5  CURRENT FILING DATE:  2001-10-24
6  PRIOR APPLICATION NUMBER:  US 09/847,208
7  PRIOR FILING DATE:  2001-05-01
8  NUMBER OF SEQ ID NOS:  13
9  SOFTWARE:  Fastrsq for Windows Version 4.0
10 SEQ ID NO 6
11     LENGTH: 320
12     TYPE:  PRT
13 ORGANISM:  Homo sapiens
14  GS-10-000-439-6

```

Query Match	100.0%	Score 1707	DB 14	Length 320
Best Local Similarity	100.0%	Pred. No. 1	8e-127	
Matches 320	Conservative	0	Mismatched	0

Qy	1	FTPPPVAKLLOSSCDGGHFPPTIOLLCIVSGYTPGNTINTWLEDQVMDVLSTASTJOE	60
Db	1	FTPPPVAKLLOSSCDGGHFPPTIOLLCIVSGYTPGNTINTWLEDQVMDVLSTASTJOE	60
Qy	61	GELASTOSELTLISQGHMLSDRTYTCQVYQOHTFEDSDTKKCADSNPRGSAVLSPPSPD	120
Db	61	GELASTOSELTLISQGHMLSDRTYTCQVYQOHTFEDSDTKKCADSNPRGSAVLSPPSPD	120
Qy	121	LFIRKSPITTLVNDVLAPSKGTVALTWSRAGKPVNHSSTREEKQORNGTLTVTSTLPVGT	180
Db	121	LFIRKSPITTLVNDVLAPSKGTVALTWSRAGKPVNHSSTREEKQORNGTLTVTSTLPVGT	180
Qy	181	RDWIEGETTYOQCVATHPHLPALALMRSTYTSGPPRAPEYATPEMPSRKRKTLLACIQ	240
Db	181	RDWIEGETTYOQCVATHPHLPALALMRSTYTSGPPRAPEYATPEMPSRKRKTLLACIQ	240
Qy	241	NFMFEDISVQVNLHNEVOLPDARHSHTTQPRKTKSGGFVYFSNLVETRAEMEKDEFCIRAV	300
Db	241	NFMFEDISVQVNLHNEVOLPDARHSHTTQPRKTKSGGFVYFSNLVETRAEMEKDEFCIRAV	300
Qy	301	HEAASPSQTVORAVSVNPGK 320	
Db	301	HEAASPSQTVORAVSVNPGK 320	

RESULT 3  
US-10-704-406-3  
; Sequence 3, Application US/10704406  
; Publication No. US20040133356A1  
; GENERAL INFORMATION:  
; APPLICANT: Vardetzkyy, Theodore S.  
; APPLICANT: Warzburg, Beth A.  
; TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN IGE ANTIBODY AND  
; TITLE OF INVENTION: USES THEREOF

```

1 FILE REFERENCE: AU-9-C2
2 CURRENT APPLICATION NUMBER: US/10/704,406
3 PRIOR FILING DATE: 2003-11-07
4 PRIOR APPLICATION NUMBER: 09/809,746
5 PRIOR FILING DATE: 2003-06-12
6 PRIOR APPLICATION NUMBER: 60/234,877
7 PRIOR FILING DATE: 2000-09-22
8 PRIOR APPLICATION NUMBER: 60/189,403
9 PRIOR FILING DATE: 2000-03-15
10 NUMBER OF SEQ ID NOS: 7
11 SOFTWARE: PatentIn version 3.2

```

```

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-704-406-3

```

Query Match	68.6%;	Score 1171;	DB 16;	Length 220;
Best Local Similarity	100.0%;	Pred. No. 4.5e-85;		
Matches 220;	Conservative 0;	Mismatches 0;	Indels 0	

QY	101	CADSNPRVSAVYLSRSPSPFDLFIKSPPTITCLVVDLAPASGKVTVLTVMSRASGKRVNHSTR	160
Db	1	CADSNPRVSAVYLSRSPSPFDLFIKSPPTITCLVVDLAPASGKVTVLTVMSRASGKRVNHSTR	60
QY	161	KEEKORNGTILVYSTLPIYGRDWT EGEFTYQCRVTHPHLPALMRSTTKTSGPPAAEBVYA	220
Db	61	KEEKORNGTILVYSTLPIYGRDWT EGEFTYQCRVTHPHLPALMRSTTKTSGPPAAEBVYA	120
QY	221	FATPWPFGSNDKRTIACLIONFMEDISVOMLNEVQLPARASTQOPRTKSGGFVFS	280
Db	121	FATPWPFGSNDKRTIACLIONFMEDISVOMLNEVQLPARASTQOPRTKSGGFVFS	180
QY	281	RLEVTBRAWEKQDEFICRAVHAASBPQTVQRAVSNVPGK	320
Db	181	RLEVTBRAWEKQDEFICRAVHAASBPQTVQRAVSNVPGK	220

430

```

; Sequence 2, Application US/09809746
; Patent No. US20010039479A1
; GENERAL INFORMATION:
; APPLICANT: Jardelezky, Theodore S.
; APPLICANT: Kurzbury, Beth A.
; TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN IGB
; TITLE OF INVENTION: ANTIBODY AND USES THEREOF
; FILE REFERENCES: AL-9-C2
; CURRENT APPLICATION NUMBER: US/09/809,746
; CURRENT FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 60/234,877
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/189,403
; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-809-746-2

```

Query Match 67.8%; Score 1158; DB 9; Length 222;  
Best [local] similarity 100.0%; Need was 75.0%.

Matches	218;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0
---------	------	--------------	----	------------	----	--------	----	------	---

QY 103 DSNPRVSAYSLRSPDPDLIRKSTPTICLVVDLAPSGVTNLTWMSASGKPVNHSRKE 163  
Db 5 DSNPRVSAYSLRSPDPDLIRKSTPTICLVVDLAPSGVTNLTWMSASGKPVNHSRKE 64  
QY 163 EKORNGTLLVNSTLPVGRDIMEGETYQCRVTHHLPALMRSTTKTSGRAAPEVYFA 222  
Db 65 EKORNGTLLVNSTLPVGRDIMEGETYQCRVTHHLPALMRSTTKTSGRAAPEVYFA 124



Oy	223	PEWGSNRKRLTACIQWPEPEDIWVQVLAHVQVLPDARHSTTOPRKTGSGFPVFSRL	282
Db	125	TPWGSNDKRLTACIQWPEPEDIWVQVLAHVQVLPDARHSTTOPRKTGSGFPVFSRL	164
Oy	283	EYTRAWEQCKDFICRAVHEAASPSQTVQPAVSVMNGK	320
Db	185	EYTRAWEQCKDFICRAVHEAASPSQTVQPAVSVMNGK	222

```

, RESULT 5
, US-09-809-715-6
, Sequence 6, Application US/09809715
, Publication No. US20030003502A1
, GENERAL INFORMATION:
, APPLICANT: Jardtetzky, Theodore S.
, APPLICANT: Garman, Scott Clayton
, APPLICANT: Wurzburg, Beth A.
, APPLICANT: Kinet, Jean-Pierre
, TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A COMPLEX BETWEEN A FC
, TITLE OF INVENTION: EPISILON RECEPTOR ALPHA CHAIN AND A FC REGION OF AN IGB
, TITLE OF INVENTION: ANTIBODY AND USES THEREOF
, FILE REFERENCE: AL-8
, CURRENT APPLICATION NUMBER: US/09/809,715
, CURRENT FILING DATE: 2001-03-14
, PRIOR APPLICATION NUMBER: 607/189,853
, PRIOR FILING DATE: 2000-03-15
, NUMBER OF SEQ ID NOS: 6
, SOFTWARE: PatentIn Ver. 2.1
, SEQ ID NO 6
, LENGTH: 222
, TYPE: PRT
, ORGANISM: Homo sapiens
, US-09-809-715-6

```

	Query Match	67.8%	Score 1158	DB 10	Length 222
	Best Local Similarity	100.0%	Pred. No. 5e-84		
	Matches 218	Conservative 0	Mismatches 0	Indels 0	Gaps 0
Qy	103	DSNPRGSAVLSRPSFPDLFIKSPPTICTLVVDLAPSKGTNVLTVSRASGKPVNHSTKRE	162		
Db	5	DSNPRGSAVLSRPSFPDLFIKSPPTICTLVVDLAPSKGTNVLTVSRASGKPVNHSTKRE	64		
Qy	163	EKONGRLTVNLTLPVGRDMIEGTTQCRVTHPHLPALMNSTTKTSGPRAAPEVYFA	222		
Db	65	EKORGLTLTVSTLSTLVGRDWTGGTQYOCRVTHPHLPALMNSTTKTSGPRAAPEVYFA	124		
Qy	223	TPWPGSRDKTKTLACLIONFMPEDISVOMLHNEVLPDARHSTTOPRKTSGSGFVFSRL	282		
Db	125	TPWPGSRDKTKTLACLIONFMPEDISVOMLHNEVLPDARHSTTOPRKTSGSGFVFSRL	184		
Qy	283	EYTRAWEQKQBEFICRAVHHAASPSQTVQRAVSNVPGK	320		
Db	185	EYTRAWEQKQBEFICRAVHHAASPSQTVQRAVSNVPGK	222		

RESULT 6  
US-10-704-406-2  
Sequence 2, Application US/10704406  
Publication No. US2004013356A1  
GENERAL INFORMATION:  
APPLICANT: Jardetzky, Theodore S.  
APPLICANT: Murzburg, Beth A.  
TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN IGE ANTIBODY AND  
TITLE OF INVENTION: USES THEREOF  
FILE REFERENCE: AL-9-C2  
CURRENT APPLICATION NUMBER: US/10/704,406  
CURRENT FILING DATE: 2003-11-07  
PRIOR APPLICATION NUMBER: 09/809,746  
PRIOR FILING DATE: 2003-06-12  
PRIOR APPLICATION NUMBER: 60/234,877  
PRIOR FILING DATE: 2000-09-22  
PRIOR APPLICATION NUMBER: 60/189,403

```

; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.2.2
; SEQ ID NO 2
; LENGTH: 222
; TYPE: PR1
; ORGANISM: Homo sapiens
;
US-10-704-406-2

```

	Query Match	Best Local Similarity	100.0%	Score 1158;	DB 16;	Length 222;
	Matches	218;	Conservative	0;	Mismatches	0;
					Indels	0;
					Gaps	0;
Qy	103	DSNRRGVSAVLSRPSPPDLFIKRSPTTCLVVDIAPSKGTNLTWSPASGKPVNHSSTRIKE	162			
Db	5	DSNRRGVSAVLSRPSPPDLFIKRSPTTCLVVDIAPSKGTNLTWSPASGKPVNHSSTRIKE	64			
Qy	163	EKQNRGLTATSTLPVGTGDMISEETQOCRTPHPLRALMRSTTKTSGPPAAEYVAF	222			
Db	65	EKQNRGLTATSTLPVGTGDMISEETQOCRTPHPLRALMRSTTKTSGPPAAEYVAF	124			
Qy	223	TPWPGSRDRKTLACLQNFMPEDI SVQWMLNEVQLDPARHSTTQPRKTKSGGFVSRL	282			
Db	125	TPWPGSRDRKTLACLQNFMPEDI SVQWMLNEVQLDPARHSTTQPRKTKSGGFVSRL	184			
Qy	283	EYTPAEWEQKDEFTICRAVHEAASQTVQRAVSNPBGK	320			
Db	185	EYTPAEWEQKDEFTICRAVHEAASQTVQRAVSNPBGK	222			

```

RESULT 7
US-10-152-190-9
: Sequence 9, Application US/10152190
: Publication No. US20030096369A1
: GENERAL INFORMATION:
: APPLICANT: Morsey, Mohamad A.
: TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines
: FILE REFERENCE: PC11011A
: CURRENT APPLICATION NUMBER: US/10/152,190
: CURRENT FILING DATE: 2002-05-21
: NUMBER OF SEQ ID NOS: 28
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 9
: LENGTH: 236
: TYPE: PRT
: ORGANISM: Modified Human CH2-CH4 carrier protein
: US-10-152-190-9

```

Query Match	59.3%: Score 1011.5: DB 14: Length 236:
Best Local Similarity	61.9%: Pred. No. 2.3e-72:
Matches 198: Conservative	7: Mismatches 4: Indels 11: Gaps 1:
Qy	1 FTPEVTILQSSCDGGHFPPTIQLCLVAGSYTPGINTITWLEDGOVMDVLDASTTQ 60
Db	28 FTPEVTILQSSCDGGHFPPTIQLCLVAGSYTGTQITWLEDGOVMDVLDASTTQ 87
Qy	61 GELASTQSELTLSQKHWLSDRTYTCQVYTGHTFEDSTKKCADSNPRGVASYLRPSFD 120
Db	88 GELASTQSELTLSQKHWLSDRTFCQVYTGHTFEDSTKKC----- 128
Qy	121 LFIKSTPTTLCVVDLAPSKGTVNLTWSRASGKFEVNHSTKKEKQKRGTLTVTSTLPVGT 180
Db	129 ----- 128
Qy	181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAPPEVYAPATPEWGSRDRTLACIQ 240
Db	129 -----RPPPEVYAPATPEWGSRDRTLACIQ 156
Qy	241 NFMEDISVOMLHNEVOLPDARHSTTOPRKTGSGFVFSRLVETRAEMQKDEFCRAV 300
Db	157 NFMEDISVOMLHNEVOLPDARHSTTOPRKTGSGFVFSRLAVTRAEMQKDEFCRAI 216
Qy	301 HEASPQQTQORAVSVNPGK 320

Db 217 HEAASFSQTVQRAVSVPNGK 236

```
|||||
RESULT 8
US-10-152-190-4
; Sequence 4, Application US/10152190
; Publication No. US20030096369A1
; GENERAL INFORMATION:
; APPLICANT: Morsey, Mohamed A.
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines
; FILE REFERENCE: PC11011A
; CURRENT APPLICATION NUMBER: US/10/152,190
; PRIOR FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Human CH3
US-10-152-190-4
```

Query Match 35.3%; Score 602; DB 14; Length 115;  
Best Local Similarity 99.1%; Pred. No. 3.4e-40;  
Matches 114; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 102 ADSNRGVSAIYSRPSFDFLRKSPITITCLVVDLAPSKGTVNLWTSRASKGPVNHSTRK 161  
Db 1 PRAAEVYAFATPEWPGSRDRTKLACLIQNFMPEDISVQMLHNEVQLPDARHSTTOPRKT 60  
QY 162 EKKORNGTLVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTYKSGPRAAP 216  
Db 61 EKKORNGTLVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTYKSGPRAAP 115

```
RESULT 9
US-10-214-524-41
; Sequence 41, Application US/10214524
; Publication No. US20030073142A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Swei-Shen Alex
; APPLICANT: Yang, Yong-Min
; APPLICANT: Barankiewicz, Theresa J.
; TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF
; FILE REFERENCE: IGE-00101.P.1.1
; CURRENT APPLICATION NUMBER: US/10/214,524
; PRIOR FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: 60/312,120
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Human (Homo sapiens)
US-10-214-524-41
```

Query Match 34.0%; Score 581; DB 14; Length 109;  
Best Local Similarity 100.0%; Pred. No. 1.5e-38;  
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAEVYAFATPEWPGSRDRTKLACLIQNFMPEDISVQMLHNEVQLPDARHSTTOPRKT 271  
Db 1 PRAAEVYAFATPEWPGSRDRTKLACLIQNFMPEDISVQMLHNEVQLPDARHSTTOPRKT 60  
QY 272 KSGGFVFSRLEVTTRAEMEQKDEFCRAVHEAASPSQTVQRAVSVPNGK 320  
Db 61 KSGGFVFSRLEVTTRAEMEQKDEFCRAVHEAASPSQTVQRAVSVPNGK 109

RESULT 10  
US-10-214-524-42

```
; Sequence 42, Application US/10214524
; Publication No. US20030073142A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Swei-Shen Alex
; APPLICANT: Yang, Yong-Min
; APPLICANT: Barankiewicz, Theresa J.
; TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF
; FILE REFERENCE: IGE-00101.P.1.1
; CURRENT APPLICATION NUMBER: US/10/214,524
; PRIOR FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: 60/312,120
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Human (Homo sapiens)
US-10-214-524-42
```

Query Match 33.4%; Score 570; DB 14; Length 107;  
Best Local Similarity 100.0%; Pred. No. 1.1e-37;  
Matches 107; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAEVYAFATPEWPGSRDRTKLACLIQNFMPEDISVQMLHNEVQLPDARHSTTOPRKT 271  
Db 1 PRAAEVYAFATPEWPGSRDRTKLACLIQNFMPEDISVQMLHNEVQLPDARHSTTOPRKT 60  
QY 272 KSGGFVFSRLEVTTRAEMEQKDEFCRAVHEAASPSQTVQRAVSVPNGK 318  
Db 61 KSGGFVFSRLEVTTRAEMEQKDEFCRAVHEAASPSQTVQRAVSVPNGK 107

```
RESULT 11
US-09-802-077-1
; Sequence 1, Application US/09802077
; Patent No. US20010033842A1
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Method of Treating Allergic Disorders (as amended)
; FILE REFERENCE: P0718P2C2US
; CURRENT APPLICATION NUMBER: US/09/802,077
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: PCT/US92/06860
; PRIOR FILING DATE: 1992-08-14
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 64
; SEQ ID NO 1
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-802-077-1
```

Query Match 33.2%; Score 566.5; DB 9; Length 109;  
Best Local Similarity 99.1%; Pred. No. 2.1e-37;  
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 103 DSNPRGVSAIYSRPSFDFLRKSPITITCLVVDLAPSKGTVNLWTSRASKGPVNHSTRKE 162  
Db 1 DSNPRGVSAIYSRPSFDFLRKSPITITCLVVDLAPSKGTVNLWTSRASKGPVNHSTRKE 60  
QY 163 EKKORNGTLVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTYKSGP 212  
Db 61 EKKORNGTLVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTYKSGP 109

## RESULT 12

US-09-802-096-1  
Sequence 1, Application US/09802096  
Patent No. US20010038839A1  
GENERAL INFORMATION:  
APPLICANT: Jardieu, Paula M.  
TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)  
FILE REFERENCE: P0718P2C3US  
CURRENT APPLICATION NUMBER: US/09/802,096  
PRIOR FILING DATE: 2001-03-08  
PRIOR APPLICATION NUMBER: US 08/405,617  
PRIOR FILING DATE: 1995-03-15  
PRIOR APPLICATION NUMBER: US 08/185,899  
PRIOR FILING DATE: 1994-01-26  
PRIOR APPLICATION NUMBER: PCT/US92/06860  
PRIOR FILING DATE: 1992-08-14  
PRIOR APPLICATION NUMBER: US 07/879,495  
PRIOR FILING DATE: 1992-05-07  
PRIOR APPLICATION NUMBER: US 07/744,768  
PRIOR FILING DATE: 1991-08-14  
NUMBER OF SEQ ID NOS: 64  
SEQ ID NO 1  
LENGTH: 109  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-802-096-1

Query Match 33.2%; Score 566.5; DB 9; Length 109;  
Best Local Similarity 99.1%; Pred. No. 2,1e-37;  
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
DB 163 EKORNGTLTVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTTKTSGP 212  
61 EKORNGTLTVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTTKTSGP 109

## RESULT 13

US-09-925-179-1  
Sequence 1, Application US/09925179  
Publication No. US20030044858A1  
GENERAL INFORMATION:  
APPLICANT: Jardieu, Paula M.  
TITLE OF INVENTION: Anti-IgE Antibodies (as amended)  
FILE REFERENCE: P0718P2C3US  
CURRENT APPLICATION NUMBER: US/09/925,179  
PRIOR FILING DATE: 2001-08-08  
PRIOR APPLICATION NUMBER: US 08/466,163  
PRIOR FILING DATE: 1995-06-06  
PRIOR APPLICATION NUMBER: US 08/405,617  
PRIOR FILING DATE: 1995-03-15  
PRIOR APPLICATION NUMBER: US 08/185,899  
PRIOR FILING DATE: 1994-01-26  
PRIOR APPLICATION NUMBER: PCT/US92/06860  
PRIOR FILING DATE: 1992-08-14  
PRIOR APPLICATION NUMBER: US 07/879,495  
PRIOR FILING DATE: 1992-05-07  
PRIOR APPLICATION NUMBER: US 07/744,768  
PRIOR FILING DATE: 1991-08-14  
NUMBER OF SEQ ID NOS: 68  
SEQ ID NO 1  
LENGTH: 109  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-925-179-1

Query Match 33.2%; Score 566.5; DB 10; Length 109;  
Best Local Similarity 99.1%; Pred. No. 2,1e-37;  
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

DB 103 DSNPRGVSAVLSRSPSPDLFIKRSPTITCLVVDLAPSKGTVNLTWSPASGKPVNHSTRKE 162  
1 DSNPRGVSAVLSRSPSPDLFIKRSPTITCLVVDLAPSKGTVNLTWSPASGKPVNHSTRKE 60  
DB 163 EKORNGTLTVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTTKTSGP 212  
61 EKORNGTLTVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTTKTSGP 109

## RESULT 14

US-10-152-190-6  
Sequence 6, Application US/10152190  
Publication No. US20030096369A1  
GENERAL INFORMATION:  
APPLICANT: Morsey, Mohamed A.  
TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines  
FILE REFERENCE: PC11011A  
CURRENT APPLICATION NUMBER: US/10/152,190  
PRIOR FILING DATE: 2002-05-21  
NUMBER OF SEQ ID NOS: 28  
SOFTWARE: Patentln Ver. 2.1  
SEQ ID NO 6  
LENGTH: 129  
TYPE: PRT  
ORGANISM: Baculovirus expressed human CH3 domain  
US-10-152-190-6

Query Match 32.5%; Score 554; DB 14; Length 129;  
Best Local Similarity 96.3%; Pred. No. 2,6e-36;  
Matches 105; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
DB 102 ADSNPRGVSAVLSRSPSPDLFIKRSPTITCLVVDLAPSKGTVNLTWSPASGKPVNHSTRK 161  
21 ADSNPRGVSAVLSRSPSPDLFIKRSPTITCLVVDLAPSKGTVNLTWSPASGKPVNHSTRK 80  
DB 162 EKORNGTLTVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTTKTSGP 210  
81 EKORNGTLTVTSTLPVGTDRMIEGETYQCRVTHPHLPALMRSTTKTSGP 129

## RESULT 15

US-10-152-190-8  
Sequence 8, Application US/10152190  
Publication No. US20030096369A1  
GENERAL INFORMATION:  
APPLICANT: Morsey, Mohamed A.  
TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines  
FILE REFERENCE: PC11011A  
CURRENT APPLICATION NUMBER: US/10/152,190  
PRIOR FILING DATE: 2002-05-21  
NUMBER OF SEQ ID NOS: 28  
SOFTWARE: Patentln Ver. 2.1  
SEQ ID NO 8  
LENGTH: 108  
TYPE: PRT  
ORGANISM: Modified Human CH4 Domain  
US-10-152-190-8

Query Match 32.3%; Score 551; DB 14; Length 108;  
Best Local Similarity 93.5%; Pred. No. 3,6e-36;  
Matches 101; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

DB 213 RAAPEVYAFATPEWPGSRDRTLACLIONFMPEDISVOMLHNEVOLPDARHSTTQPRKTX 272  
1 RAAPEVYAFATPEWPGSRDRTLACLIONFMPEDISVOMLHNEVOLPDARHSTTQPRKTX 60  
DB 273 GSGFVFSRLAVTRAEWQKDEFTICRAVHEASPSQTVQRAVSVPNGK 320  
61 GSGFVFSRLAVTRAEWQKDEFTICRAVHEASPSQTVQRAVSVPNGK 108

Mon Mar 14 13:04:50 2005

us-09-847-208b-6.rapb

Page 6

Search completed: March 14, 2005, 11:12:33  
Job time : 138 secs

---

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 14, 2005, 10:48:59 ; Search time 43 Seconds  
(without alignments)  
555.528 Million cell updates/sec

Title: US-09-847-208b-6

Perfect score: 1707  
Sequence: 1 FPPPTVKILQSSCDGGGHPF.....HEAASPSQTVQRAVSNPGK 320

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 437289

Minimum DB seq length: 0  
Maximum DB seq length: 320

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Issued Patents AA:\*  
1: /cgn2\_6/pcodata/1/iaa/5A COMB .pep.\*  
2: /cgn2\_6/pcodata/1/iaa/5B COMB .pep.\*  
3: /cgn2\_6/pcodata/1/iaa/5A COMB .pep.\*  
4: /cgn2\_6/pcodata/1/iaa/5B COMB .pep.\*  
5: /cgn2\_6/pcodata/1/iaa/PCITUS COMB .pep.\*  
6: /cgn2\_6/pcodata/1/iaa/backfile1 .pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	895.5	52.5	312	4	US-09-701-623C-2
2	783	45.9	313	4	US-09-701-623C-3
3	691.5	40.5	313	4	US-09-701-623C-4
4	597	35.0	113	2	US-08-232-539D-56
5	587	34.4	110	1	US-08-139-106A-6
6	587	34.4	110	1	US-08-433-105A-6
7	587	34.4	110	2	US-08-434-869A-6
8	581	34.0	109	1	US-08-037-579A-2
9	581	34.0	109	3	US-08-601-184-2
10	566.5	33.2	109	3	US-08-466-163B-1
11	566.5	33.2	109	4	US-09-802-096-1
12	566.5	33.2	109	4	US-09-802-077-1
13	556	32.6	106	2	US-08-232-539D-54
14	526	30.8	119	2	US-08-464-025A-1
15	508.5	29.8	118	3	US-08-466-151-1
16	416.5	24.4	320	2	US-08-579-940-8
17	414	24.3	76	4	US-09-701-623C-40
18	394	23.1	76	4	US-09-701-623C-31
19	357.5	20.9	107	4	US-09-281-160E-36
20	356	20.9	228	4	US-09-968-362A-27
21	356	20.9	235	3	US-09-131-247-6
22	356	20.9	235	3	US-09-784-623-6
23	356	20.9	247	4	US-09-428-082B-12
24	356	20.9	269	4	US-09-428-082B-10
25	355	20.8	253	4	US-09-428-082B-18
26	355	20.8	277	4	US-09-428-082B-20
27	354	20.7	281	4	US-09-854-864-10

28	354	20.7	316	3	US-09-178-869-4	Sequence 4, Appl1
29	354	20.7	316	4	US-09-761-413-4	Sequence 4, Appl1
30	353.5	20.7	309	4	US-09-883-777-7	Sequence 7, Appl1
31	353.5	20.7	309	4	US-09-742-454A-7	Sequence 7, Appl1
32	353	20.7	217	4	US-09-483-588-5	Sequence 5, Appl1
33	352	20.6	228	4	US-09-428-082B-2	Sequence 2, Appl1
34	352	20.6	228	4	US-09-847-249A-2	Sequence 2, Appl1
35	352	20.6	228	4	US-09-840-669B-2	Sequence 2, Appl1
36	352	20.6	228	4	US-09-843-221A-2	Sequence 2, Appl1
37	352	20.6	228	4	US-09-709-704A-2	Sequence 2, Appl1
38	352	20.6	228	4	US-09-422-838C-5	Sequence 5, Appl1
39	352	20.6	229	4	US-09-122-144-2	Sequence 2, Appl1
40	352	20.6	232	2	US-08-595-043A-50	Sequence 50, Appl1
41	352	20.6	232	4	US-09-968-362A-26	Sequence 26, Appl1
42	352	20.6	243	4	US-09-428-082B-1068	Sequence 1068, Ap
43	352	20.6	247	4	US-09-428-082B-6	Sequence 6, Appl1
44	352	20.6	248	4	US-09-428-082B-1056	Sequence 1056, Ap
45	352	20.6	248	4	US-09-428-082B-1058	Sequence 1058, Ap

#### ALIGNMENTS

RESULT 1		US-09-701-623C-2	US-09-701-623C-2
Sequence 2, Application US/09701623C		Sequence 2, Appl1	Sequence 2, Appl1
Patent No. 6811782		Sequence 2, Appl1	Sequence 2, Appl1
GENERAL INFORMATION:		Sequence 2, Appl1	Sequence 2, Appl1
APPLICANT: Wang Ph.D., Chang Yi		Sequence 2, Appl1	Sequence 2, Appl1
TITLE OF INVENTION: PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF		Sequence 2, Appl1	Sequence 2, Appl1
FILE REFERENCE: 11514153US1		Sequence 2, Appl1	Sequence 2, Appl1
CURRENT APPLICATION NUMBER: US/09/701,623C		Sequence 2, Appl1	Sequence 2, Appl1
CURRENT FILING DATE: 2000-12-01		Sequence 2, Appl1	Sequence 2, Appl1
PRIOR APPLICATION NUMBER: PCT/US99/13959		Sequence 2, Appl1	Sequence 2, Appl1
PRIOR FILING DATE: 1999-06-21		Sequence 2, Appl1	Sequence 2, Appl1
PRIOR APPLICATION NUMBER: 09/100,287		Sequence 2, Appl1	Sequence 2, Appl1
PRIOR FILING DATE: 1998-06-20		Sequence 2, Appl1	Sequence 2, Appl1
NUMBER OF SEQ. ID NOS: 91		Sequence 2, Appl1	Sequence 2, Appl1
SOFTWARE: Patentln Ver. 2.1		Sequence 2, Appl1	Sequence 2, Appl1
SEQ ID NO 2		Sequence 2, Appl1	Sequence 2, Appl1
LENGTH: 312		Sequence 2, Appl1	Sequence 2, Appl1
TYPE: PRT		Sequence 2, Appl1	Sequence 2, Appl1
ORGANISM: Dog		Sequence 2, Appl1	Sequence 2, Appl1
FEATURE:		Sequence 2, Appl1	Sequence 2, Appl1
OTHER INFORMATION: CH2CH3n of dog IGB		Sequence 2, Appl1	Sequence 2, Appl1
PUBLICATION INFORMATION:		Sequence 2, Appl1	Sequence 2, Appl1
AUTHORS: Patel,		Sequence 2, Appl1	Sequence 2, Appl1
JOURNAL: Immunogenetics		Sequence 2, Appl1	Sequence 2, Appl1
VOLUME: 41		Sequence 2, Appl1	Sequence 2, Appl1
PAGES: 282-286		Sequence 2, Appl1	Sequence 2, Appl1
DATE: 1995		Sequence 2, Appl1	Sequence 2, Appl1
US-09-701-623C-2		Sequence 2, Appl1	Sequence 2, Appl1
Query Match		Sequence 2, Appl1	Sequence 2, Appl1
Best Local Similarity 52.5%; Score 895.5; DB 4; Length 312;		Sequence 2, Appl1	Sequence 2, Appl1
Matches 172; Conservative 48; Mismatches 83; Indels 9; Gaps 5;		Sequence 2, Appl1	Sequence 2, Appl1
QY 1 FPPPTVKILQSSCDGGGHPPTIQLCLVSGYPTGINTITWLEDGQ-VMDVDLSTASTQ 59		Sequence 2, Appl1	Sequence 2, Appl1
Db 6 FPPPTVKILQSSCDGGGHPPTIQLCLVSGYPTGINTITWLEDGQ-VMDVDLSTASTQ 59		Sequence 2, Appl1	Sequence 2, Appl1
QY 60 EGGVSTSHSLNLTQGGWWSQKTYTC---QGTFPOEARKESSDPKGVSTLSPPSPFL 121		Sequence 2, Appl1	Sequence 2, Appl1
Db 60 EGGVSTSHSLNLTQGGWWSQKTYTC---QGTFPOEARKESSDPKGVSTLSPPSPFL 121		Sequence 2, Appl1	Sequence 2, Appl1
QY 120 DLFIRKSPITTCVVDLAPSKGTVNLTPWSPASGPVNHSTRKEKORNGTLTYTSTLPVG 179		Sequence 2, Appl1	Sequence 2, Appl1
Db 120 DLFIRKSPITTCVVDLAPSKGTVNLTPWSPASGPVNHSTRKEKORNGTLTYTSTLPVG 179		Sequence 2, Appl1	Sequence 2, Appl1
QY 122 DLYVHAKPKITCLVVDLATWEG-MNLTWRESKEPVNPGMLNKDHFNGTITVSTLPVN 180		Sequence 2, Appl1	Sequence 2, Appl1
Db 122 DLYVHAKPKITCLVVDLATWEG-MNLTWRESKEPVNPGMLNKDHFNGTITVSTLPVN 180		Sequence 2, Appl1	Sequence 2, Appl1
QY 180 TRWIRGERTYQCVTHPHLPALMRSTTKTSGPRAAPVYAFATP-EMPSRDKRTIACL 238		Sequence 2, Appl1	Sequence 2, Appl1
Db 180 TRWIRGERTYQCVTHPHLPALMRSTTKTSGPRAAPVYAFATP-EMPSRDKRTIACL 238		Sequence 2, Appl1	Sequence 2, Appl1
QY 181 TNDWIRGERTYQCVTHPHLPALMRSTTKTSGPRAAPVYAFATP-EMPSRDKRTIACL 240		Sequence 2, Appl1	Sequence 2, Appl1
Db 181 TNDWIRGERTYQCVTHPHLPALMRSTTKTSGPRAAPVYAFATP-EMPSRDKRTIACL 240		Sequence 2, Appl1	Sequence 2, Appl1

Oy	239	I O N M P E D I S V O W L A H V E Q L P D K A R H S T P O P R K T G S -- G F V E S F L E V T R A E W E Q X O K F I	256
		: : : : :   : : : :   : : : :   : : : :   : : : :   : : : :   : : : :   : : : :   : : : :	
Dd	241	I O N F F P D I S V O W L R D S P I Q D O Y T T S P H K V S G S R P A F I F S L E V S R V D M E Q K N K F T	300
		: : : : :   : : : :   : : : :   : : : :   : : : :   : : : :   : : : :   : : : :   : : : :	
Oy	297	C R A V H E A S P S Q	308
		:   :   :   :	
Dd	301	C O V V H E A L S G S R	312
		:   :   :   :	

RESULT 2  
US-09-70

```

Sequence 3 Application US/09701623C
Patent No. 6811782
GENERAL INFORMATION:
APPLICANT: Mang Ph. D., Chang Yi
TITLE OF INVENTION: PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF
FILE REFERENCE: 11514153US1
CURRENT APPLICATION NUMBER: US/09/701,623C
PRIOR FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: PCT/US99/13959
PRIOR FILING DATE: 1999-06-21
PRIOR APPLICATION NUMBER: 09/100,287
NUMBER OF SEQ ID NOS: 91
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 313
TYPE: PRT
ORGANISM: RAT
FEATURE:
OTHER INFORMATION: CH2CH3 of rat Ige
PUBLICATION INFORMATION:
AUTHORS: Dorrington,
AUTHORS: Dorrington,
AUTHORS: Bennich,
JOURNAL: Immunology
VOLUME: 41
PAGES: 3-25
DATE: 1978
PUBLICATION INFORMATION:
AUTHORS: Patel,
JOURNAL: Immunogenetics
VOLUME: 41
PAGES: 282-286
DATE: 1995
PUBLICATION INFORMATION:
AUTHORS: Steen,
JOURNAL: J. Mol. Biol.
VOLUME: 177
PAGES: 19-32
DATE: 1984
PUBLICATION INFORMATION:
AUTHORS: Ishida,
JOURNAL: EMBO J.
VOLUME: 1
PAGES: 1117-1123
DATE: 1982
US-09-701-623C-3

```

[illegible]

Db	126	LYENGTFKLTCLVDL-EESENIYTWREKRKSGISASORSTGHNAATSIISLPVDA	184
Qy	181	KDMEGGTTCRCVTHPHLPRALMSTTYSGPRAPEVYATPEWPSGRDKTTLACLIQ	240
Db	185	KDMEGGGQCRRDHPKPIVRSITRALGLRNSAPEVYVLPPE-BEENKRTLLCCLIQ	243
Qy	241	NFMEPDISVQMLHNEVQLPDARSTTQPRKTKGSG--FVPSRLREYVRAWEKODEFICR	298
Db	244	NFPEPDISVQWLQDSKLLPKSGHSTTTTLTKTNGSNQNFPSRLREYVTKALMTQTKPCR	303
Qy	299	AYHEA	303
Db	304	VHEHA	308

RESULT 3  
ITS-09-70

```

/ Sequence 4, Application US/09701623C
/ Patent No. 6811782
/ GENERAL INFORMATION:
/ APPLICANT: Wang Ph. D., Chang Yi
/ TITLE OF INVENTION: PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF
/ TITLE OR INVENTION: ALLERGY
/ FILE REFERENCE: 11514153US1
/ CURRENT APPLICATION NUMBER: US/09/701,623C
/ CURRENT FILING DATE: 2000-12-01
/ PRIOR APPLICATION NUMBER: PCT/US99/13959
/ PRIOR FILING DATE: 1999-06-21
/ PRIOR APPLICATION NUMBER: 09/100,287
/ PRIOR FILING DATE: 1998-06-20
/ NUMBER OF SEQ ID NOS: 91
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO: 4
/ LENGTH: 313
/ TYPE: PRT
/ ORGANISM: MOUSE
/ FEATURE:
/ OTHER INFORMATION: CH2CH3 of mouse IGE
/ US-09-701-623C-4

```

Query Match	40.5%;	Score 691.5;	DB 4;	Length 313;
Best Local Similarity	46.4%;	Pred. No. 2.5e-58;		
Matches 136;	Conservative 51;	Mismatches 101;	Indels 5;	Gaps 5;

QY	13	CDGGGHFFPTTOLCLVSGYTPGTINITWL-EDCGVMDVDLSTASTOEGELASTOSEL	71
Db	19	CDPNA-FHSTIQVCFIYGHILINDVSVAMDDREIDTTLAQVLAIREEGCLASTCSKLN	77
QY	72	LSQKMLSDRTYTCOVYTGHTFEDSTKCADSNPRGSAVLSRPPFDPIRKSPIITC	133
Db	78	ITEQOMSESTFCRVTGQCGDYLAHTRRCPDHEPRGATYLLIRPSPDLIYONAPKUTC	133
QY	132	LVPDLAPSGVNLITMSRASGKPTMHSRKEEKRNGLTVLSTLPGVTRDMIEGETYOC	191
Db	138	LVPDLIESK-NVANYTMMOEKTSVSASQWYTKHNNNTITSLLPVAWDMWIEGYOC	196
QY	192	RVTHPHLPALMRSTKTIISGPRAPETVAATPEWPSGRDKRTIACLIQNFMEDISVOM	251
Db	197	IVDRPDPFKPIVRISITKTPGORSABEYVUPRPE-BESSEDKRTITCLIQNFPEEDISVOM	255
QY	252	LHNVEQLPDARHSTTORPKTKGS-GFVFSERLEYTRAWEQKDEFLICRAVHEA	303
Db	256	LGDGKLISNGSHSTTLPKSNNGQGEFIFSRLEVAKTLWQROKFTCOVTHEA	308

## RESULT 4

US-08-232-539D-56  
; Sequence 56, Application US/08232539D  
; Patent No. 5963709  
; GENERAL INFORMATION:  
; APPLICANT: Prestea, Leonard G.  
; APPLICANT: Jardieu, Paula M.

TITLE OF INVENTION: 1GE Antagonists  
NUMBER OF SEQUENCES: 60  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/232,539D  
FILING DATE: 21-Apr-1994  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/178583  
FILING DATE: 07-JAN-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744768  
FILING DATE: 14-AUG-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Svoboda, Craig G.  
REGISTRATION NUMBER: 39,044  
REFERENCE/DOCKET NUMBER: P0718P3  
TELEPHONE: 650/225-1489  
TELEFAX: 650/952-9881  
INFORMATION FOR SEQ ID NO: 56:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 113 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear  
US-08-232-539D-56

Query Match 35.0%; Score 597; DB 2; Length 113;  
Best Local Similarity 100.0%; Pred. No. 7.2e-50;  
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 101 CADSNPRGSAVLSRPSFPLFIKSPITITCLVVDLAPSKGTVALTMSRASKGVNSTR 160  
DB 1 CANSNPRGSAVLSRPSFPLFIKSPITITCLVVDLAPSKGTVALTMSRASKGVNSTR 60

QY 161 KEKORNGILTVSTLPEVGRDWTIEGTYOCRVTHPHLPALMRSTTKSGP 212  
DB 61 KEKORNGILTVSTLPEVGRDWTIEGTYOCRVTHPHLPALMRSTTKSGP 112

RESULT 5  
US-08-399-106A-6  
Sequence 6, Application US/08399106A  
Patent No. 5731168  
GENERAL INFORMATION:  
APPLICANT: Carter, Paul J.  
APPLICANT: Presta, Leonard G.  
APPLICANT: Ridgway, John B.  
TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC  
TITLE OF INVENTION: POLYPEPTIDES  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/399,106A  
FILING DATE: 01-Mar-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Lee, Wendy M.  
REGISTRATION NUMBER: 00,000  
REFERENCE/DOCKET NUMBER: P0927  
TELEPHONE: 415/225-1994  
TELEFAX: 415/952-9881  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 110 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear  
US-08-399-106A-6

Query Match 34.4%; Score 587; DB 1; Length 110;  
Best Local Similarity 100.0%; Pred. No. 6.4e-49;  
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 211 GPRAPEVVAFATPEWPGSRDKRTLACTLQFMPEDISVQMLHNEVOLPDARHSTTOPRK 270  
DB 1 GPRAPEVVAFATPEWPGSRDKRTLACTLQFMPEDISVQMLHNEVOLPDARHSTTOPRK 60

QY 271 TKSGGFVFSRLLEVTRAWEQKDFICRAVHAASPSQTVQRAVSVPK 320  
DB 61 TKSGGFVFSRLLEVTRAWEQKDFICRAVHAASPSQTVQRAVSVPK 110

RESULT 6  
US-08-433-105A-6  
Sequence 6, Application US/08433105A  
Patent No. 5807706  
GENERAL INFORMATION:  
APPLICANT: Carter, Paul J.  
APPLICANT: Presta, Leonard G.  
APPLICANT: Ridgway, John B.  
TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/433,105A  
FILING DATE: 03-May-1995  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/399106  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Lee, Wendy M.  
REGISTRATION NUMBER: 00,000  
REFERENCE/DOCKET NUMBER: P0927D2  
TELEPHONE: 415/225-1994  
TELEFAX: 415/952-9881  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 110 amino acids

TYPE: Amino Acid  
TOPOLOGY: Linear  
US-08-433-105A-6

Query Match  
Best Local Similarity 34.4%; Score 587; DB 1; Length 110;  
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 211 GPRAAEYVAFATPEWPGSRDKRTLACTIONFMPEDISVQMLHNEVQLPDAHSTTOPRK 270  
DB 1 GPRAAEYVAFATPEWPGSRDKRTLACTIONFMPEDISVQMLHNEVQLPDAHSTTOPRK 60  
QY 271 TKGGGFVFSRLLEVTRAEMEQKDEFCRAVHAASPSQTVORAVSNPGK 320  
DB 61 TKGGGFVFSRLLEVTRAEMEQKDEFCRAVHAASPSQTVORAVSNPGK 110

## RESULT 7

US-08-434-869A-6  
Sequence 6, Application US/08434869A  
Patent No. 5821333  
GENERAL INFORMATION:  
APPLICANT: Carter, Paul J.  
APPLICANT: Presta, Leonard G.  
APPLICANT: Ridgway, John B.  
TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/34, 869A  
FILING DATE: 03-May-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/399106  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Lee, Wendy M.  
REGISTRATION NUMBER: 00,000  
REFERENCE/DOCKET NUMBER: P0927D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1994  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 110 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear  
US-08-434-869A-6

Query Match  
Best Local Similarity 34.4%; Score 587; DB 2; Length 110;  
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 211 GPRAAEYVAFATPEWPGSRDKRTLACTIONFMPEDISVQMLHNEVQLPDAHSTTOPRK 270  
DB 1 GPRAAEYVAFATPEWPGSRDKRTLACTIONFMPEDISVQMLHNEVQLPDAHSTTOPRK 60  
QY 271 TKGGGFVFSRLLEVTRAEMEQKDEFCRAVHAASPSQTVORAVSNPGK 320  
DB 61 TKGGGFVFSRLLEVTRAEMEQKDEFCRAVHAASPSQTVORAVSNPGK 110

## RESULT 8

US-08-037-579A-2  
Sequence 2, Application US/08037579A  
Patent No. 5552537  
GENERAL INFORMATION:  
APPLICANT: Zhang, Ke  
APPLICANT: Max, Edward E  
APPLICANT: Saxon, Andrew  
TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT  
STREET: 4 Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/037, 579A  
FILING DATE: 24-MAR-1993  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Rowland, Bertam I  
REGISTRATION NUMBER: 20,015  
REFERENCE/DOCKET NUMBER: A-57950/BIR UCLA-233  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299 FHT UR  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 109 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-037-579A-2

Query Match  
Best Local Similarity 34.0%; Score 581; DB 1; Length 109;  
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAPEYVAFATPEWPGSRDKRTLACTIONFMPEDISVQMLHNEVQLPDAHSTTOPRK 271  
DB 1 PRAAPEYVAFATPEWPGSRDKRTLACTIONFMPEDISVQMLHNEVQLPDAHSTTOPRK 60  
QY 272 KSGGFVFSRLLEVTRAEMEQKDEFCRAVHAASPSQTVORAVSNPGK 320  
DB 61 KSGGFVFSRLLEVTRAEMEQKDEFCRAVHAASPSQTVORAVSNPGK 109

## RESULT 9

US-08-601-184-2  
Sequence 2, Application US/08601184  
Patent No. 6043345  
GENERAL INFORMATION:  
APPLICANT: Zhang, Ke  
APPLICANT: Max, Edward E  
APPLICANT: Saxon, Andrew  
TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT  
STREET: 4 Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 941114187



```
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PCDOS/MSDOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/601,184
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J.
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: A-57950-1/PJS UCL233-1
TELEPHONE: (415) 494-8700
TELEFAX: (415) 494-8771
TELEX: 910 277299 FHT UR
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 109 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-601-184-2

Query Match          34.0%; Score 581; DB 3; Length 109;
Best Local Similarity 100.0%; Pred. No. 2.4e-48;
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 212 PRAAPEYVATPEWPGSRDKRTLACLIONFMPEDISVOMLHNEVQLPDARHSTTQPKRT 271
Db 1 PRAAPEYVATPEWPGSRDKRTLACLIONFMPEDISVOMLHNEVQLPDARHSTTQPKRT 60

Qy 272 KSGGFYFSLFETTRAEWQKDEFCRAVHEASPSQTVQANVSNGK 320
Db 61 KSGGFYFSLFETTRAEWQKDEFCRAVHEASPSQTVQANVSNGK 109

RESULT 10
US-08-466-163B-1
Sequence 1, Application US/08466163B
Patent No. 6329509
GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
TITLE OF INVENTION: Immunoglobulin Variants
FILE REFERENCE: P0718P2C1D1
CURRENT APPLICATION NUMBER: US/08/466,163B
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR FILING DATE: 1995-03-15
PRIOR APPLICATION NUMBER: US 08/185,899
PRIOR FILING DATE: 1994-01-26
PRIOR APPLICATION NUMBER: US 07/879,495
PRIOR FILING DATE: 1992-05-07
PRIOR APPLICATION NUMBER: US 07/744,768
PRIOR FILING DATE: 1991-08-14
NUMBER OF SEQ ID NOS: 64
SEQ ID NO 1
LENGTH: 109
TYPE: PRT
ORGANISM: Homo sapiens
US-08-466-163B-1

Query Match          33.2%; Score 566.5; DB 3; Length 109;
Best Local Similarity 99.1%; Pred. No. 5.9e-47;
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 103 DSNPRGVSAYLSRSPDPLFIRKSPITTCVVDLAPSKGTNLTWSRASGKPVNHSTRKE 162
Db 1 DSNPRGVSAYLSRSPDPLFIRKSPITTCVVDLAPSKGTNLTWSRASGKPVNHSTRKE 60

Qy 163 EKORNGTLVTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGP 212
```

```
Db 61 EKORNGTLVTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGP 109

RESULT 11
US-09-802-096-1
Sequence 1, Application US/09802096
Patent No. 6685939
GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)
FILE REFERENCE: P0718P2C3US
CURRENT APPLICATION NUMBER: US/09/802,096
PRIOR FILING DATE: 2001-03-08
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR FILING DATE: 1995-03-15
PRIOR APPLICATION NUMBER: US 08/185,899
PRIOR FILING DATE: 1994-01-26
PRIOR APPLICATION NUMBER: PCT/US92/06860
PRIOR FILING DATE: 1992-08-14
PRIOR APPLICATION NUMBER: US 07/879,495
PRIOR FILING DATE: 1992-05-07
PRIOR APPLICATION NUMBER: US 07/744,768
PRIOR FILING DATE: 1991-08-14
NUMBER OF SEQ ID NOS: 64
SEQ ID NO 1
LENGTH: 109
TYPE: PRT
ORGANISM: Homo sapiens
US-09-802-096-1

Query Match          33.2%; Score 566.5; DB 4; Length 109;
Best Local Similarity 99.1%; Pred. No. 5.9e-47;
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 103 DSNPRGVSAYLSRSPDPLFIRKSPITTCVVDLAPSKGTNLTWSRASGKPVNHSTRKE 162
Db 1 DSNPRGVSAYLSRSPDPLFIRKSPITTCVVDLAPSKGTNLTWSRASGKPVNHSTRKE 60

Qy 163 EKORNGTLVTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGP 212
Db 61 EKORNGTLVTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGP 109

RESULT 12
US-09-802-077-1
Sequence 1, Application US/09802077
Patent No. 6699472
GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Method of Treating Allergic Disorders (as amended)
FILE REFERENCE: P0718P2C2US
CURRENT APPLICATION NUMBER: US/09/802,077
PRIOR FILING DATE: 2001-03-08
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR FILING DATE: 1995-03-15
PRIOR APPLICATION NUMBER: US 08/185,899
PRIOR FILING DATE: 1994-01-26
PRIOR APPLICATION NUMBER: PCT/US92/06860
PRIOR FILING DATE: 1992-08-14
PRIOR APPLICATION NUMBER: US 07/879,495
PRIOR FILING DATE: 1992-05-07
PRIOR APPLICATION NUMBER: US 07/744,768
PRIOR FILING DATE: 1991-08-14
NUMBER OF SEQ ID NOS: 64
SEQ ID NO 1
LENGTH: 109
TYPE: PRT
ORGANISM: Homo sapiens
US-09-802-077-1
```

Query Match 33.2%; Score 566.5; DB 4; Length 109;  
Best Local Similarity 99.1%; Pred. No. 5.9e-47;  
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 103 DSNPRGVSAYLSRPSFDFIRKSPITTCVLVDLAPSKGTVNLTWSRASGKPVNHSTKRE 162  
DB 1 DSNPRGVSAYLSRPSFDFIRKSPITTCVLVDLAPSKGTVNLTWSRASGKPVNHSTKRE 60

QY 163 EKORNGTLVTSTLPVGTGRDWIEGETYOCRVTHPHLPALMRSTTKTSGP 212  
DB 61 EKORNGTLVTSTLPVGTGRDWIEGETYOCRVTHPHLPALMRSTTKTSGP 109

RESULT 13  
US-08-232-539D-54  
; Sequence 54, Application US/08232539D  
; Patent No. 5965709  
; GENERAL INFORMATION:  
; APPLICANT: Presta, Leonard G.  
; TITLE OF INVENTION: IGE Antagonists  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 1 DNA Way  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Winpatin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/232.539D  
; FILING DATE: 21-Apr-1994  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/178583  
; FILING DATE: 07-JAN-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/744768  
; FILING DATE: 14-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Svoboda, Craig G.  
; REGISTRATION NUMBER: 39,044  
; REFERENCE/DOCKET NUMBER: P0718P3  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650/952-9881  
; TELEFAX: 650/225-1489  
; INFORMATION FOR SEQ ID NO: 54:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 106 amino acids  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
; US-08-232-539D-54

Query Match 32.6%; Score 556; DB 2; Length 106;  
Best Local Similarity 100.0%; Pred. No. 5.8e-46;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 108 GVSAYLSRPSFDFIRKSPITTCVLVDLAPSKGTVNLTWSRASGKPVNHSTKREKOR 167  
DB 1 GVSAYLSRPSFDFIRKSPITTCVLVDLAPSKGTVNLTWSRASGKPVNHSTKREKOR 60

QY 168 GILTVTSTLPVGTGRDWIEGETYOCRVTHPHLPALMRSTTKTSGP 212  
DB 61 GILTVTSTLPVGTGRDWIEGETYOCRVTHPHLPALMRSTTKTSGP 105

RESULT 14  
US-08-464-025A-1

; Sequence 1, Application US/08464025A  
; Patent No. 5994514  
; GENERAL INFORMATION:  
; APPLICANT: Jardieu et al.  
; TITLE OF INVENTION: IMMUNOGLOBULIN VARIANTS  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 1 DNA Way  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Winpatin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/464.025A  
; FILING DATE: 05-Jun-1995  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Svoboda, Craig G.  
; REGISTRATION NUMBER: 39,044  
; REFERENCE/DOCKET NUMBER: P0718C3  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650/225-1489  
; TELEFAX: 650/952-9881  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 119 amino acids  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
; US-08-464-025A-1

Query Match 30.8%; Score 526; DB 2; Length 119;  
Best Local Similarity 90.7%; Pred. No. 5.4e-43;  
Matches 107; Conservative 1; Mismatches 2; Indels 8; Gaps 4;

QY 103 DSNPRGVSAYLSRPSFDFIRKSPITTCVLVDLAPSKGTVNLTWSRAS--GKPVNH 158  
DB 2 DSNPRGVSAYLSRPSFDFIRKSPITTCVLVDLAPSKGTVNLTWSRASXAXGKPVNH 61

QY 159 TRKEKOR--NGTLVTSTLPVGTGRDWIEGETYOCRVTHPHLPALMRSTTKTSGP 212  
DB 62 TRKEKORXNXXGILTVTSTLPVGTGRDWIEGETYOCRVTHPHLPALMRSTTKTSGP 119

RESULT 15  
US-08-466-151-1  
; Sequence 1, Application US/08466151  
; Patent No. 6037453  
; GENERAL INFORMATION:  
; APPLICANT: Jardieu, Paula M.  
; TITLE OF INVENTION: Immunoglobulin Variants  
; NUMBER OF SEQUENCES: 65  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 1 DNA Way  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Winpatin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/466.151  
; FILING DATE:

```

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/466163
FILING DATE: 06-JUN-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/185899
FILING DATE: 26-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P2CID1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/352-9881
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 118 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-466-151-1

```



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

## OM protein - protein search, using sw model

Run on: March 14, 2005, 11:10:15 ; Search time 140 seconds  
(without alignments)  
1340.584 Million cell updates/sec

Title: US-09-847-208b-7  
Perfect score: 3060  
Sequence: 1 EPRSCDKHTHCPCPAPELL.....HEAAPSQTVQRAVSVPK 569

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1396920 seqs, 329844858 residues

Total number of hits satisfying chosen parameters: 1267004

Minimum DB seq length: 0  
Maximum DB seq length: 569

Post-processing: Minimum Match 0%

Listing first 45 summaries

## Database :

1: /cgn2\_6/ptodata/2/pubppa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/2/pubppa/PCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubppa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubppa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/2/pubppa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/2/pubppa/PCTUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/2/pubppa/US08\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/2/pubppa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/2/pubppa/US09\_PUBCOMB.pep:\*  
10: /cgn2\_6/ptodata/2/pubppa/US09\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/2/pubppa/US09C\_PUBCOMB.pep:\*  
12: /cgn2\_6/ptodata/2/pubppa/US09C\_PUBCOMB.pep:\*  
13: /cgn2\_6/ptodata/2/pubppa/US10\_PUBCOMB.pep:\*  
14: /cgn2\_6/ptodata/2/pubppa/US10\_PUBCOMB.pep:\*  
15: /cgn2\_6/ptodata/2/pubppa/US10C\_PUBCOMB.pep:\*  
16: /cgn2\_6/ptodata/2/pubppa/US10\_PUBCOMB.pep:\*  
17: /cgn2\_6/ptodata/2/pubppa/US10\_NEW\_PUB.pep:\*  
18: /cgn2\_6/ptodata/2/pubppa/US11\_NEW\_PUB.pep:\*  
19: /cgn2\_6/ptodata/2/pubppa/US60\_NEW\_PUB.pep:\*  
20: /cgn2\_6/ptodata/2/pubppa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3060	100.0	569	10 US-09-847-208-7	Sequence 7, Appl1
2	3060	100.0	569	14 US-10-000-439-7	Sequence 7, Appl1
3	1766	57.7	427	10 US-09-847-208-5	Sequence 5, Appl1
4	1766	57.7	427	14 US-10-000-439-5	Sequence 5, Appl1
5	1766	57.7	428	9 US-09-916-230-1	Sequence 1, Appl1
6	1766	57.7	428	9 US-09-949-375A-1	Sequence 1, Appl1
7	1766	57.7	428	13 US-10-047-542-60	Sequence 60, Appl1
8	1766	57.7	428	16 US-10-363-954A-1	Sequence 1, Appl1
9	1755	57.4	441	9 US-09-949-375A-7	Sequence 7, Appl1
10	1755	57.4	441	16 US-10-363-954A-7	Sequence 7, Appl1
11	1754.5	57.3	497	17 US-10-872-932A-35	Sequence 35, Appl1
12	1707	55.8	320	10 US-09-847-208-6	Sequence 6, Appl1
13	1707	55.8	320	14 US-10-000-439-6	Sequence 6, Appl1

14	1707	55.8	323	9 US-09-949-375A-2	Sequence 2, Appl1
15	1707	55.8	323	9 US-09-949-375A-4	Sequence 4, Appl1
16	1707	55.8	323	9 US-09-949-375A-6	Sequence 6, Appl1
17	1707	55.8	323	16 US-10-363-954A-2	Sequence 2, Appl1
18	1707	55.8	323	16 US-10-363-954A-4	Sequence 4, Appl1
19	1707	55.8	323	16 US-10-363-954A-6	Sequence 6, Appl1
20	1707	55.8	311	9 US-09-401-636-1	Sequence 1, Appl1
21	1707	55.8	311	14 US-10-176-664-1	Sequence 1, Appl1
22	1707	55.8	331	14 US-10-207-655-329	Sequence 329, App
23	1707	55.8	331	15 US-10-673-594-1	Sequence 1, Appl1
24	1705.5	55.7	426	14 US-10-214-524-26	Sequence 26, Appl1
25	1696	55.4	336	9 US-09-949-375A-8	Sequence 8, Appl1
26	1696	55.4	336	16 US-10-363-954A-8	Sequence 8, Appl1
27	1671	54.6	330	9 US-09-949-375A-10	Sequence 10, Appl1
28	1671	54.6	330	16 US-10-363-954A-10	Sequence 10, Appl1
29	1649	53.9	347	14 US-10-152-190-13	Sequence 13, Appl1
30	1579	51.6	347	14 US-10-152-190-12	Sequence 12, Appl1
31	1566.5	51.2	348	14 US-10-152-190-11	Sequence 11, Appl1
32	1435.5	46.9	346	14 US-10-152-190-10	Sequence 10, Appl1
33	1364.5	44.6	346	14 US-10-152-190-14	Sequence 14, Appl1
34	1307	42.7	465	17 US-10-887-230-43	Sequence 43, Appl1
35	1299	42.5	485	17 US-10-887-230-26	Sequence 26, Appl1
36	1260	41.2	232	10 US-09-847-208-3	Sequence 3, Appl1
37	1260	41.2	232	14 US-10-000-439-3	Sequence 3, Appl1
38	1260	41.2	330	10 US-09-847-208-2	Sequence 2, Appl1
39	1260	41.2	330	14 US-10-000-439-2	Sequence 2, Appl1
40	1255.5	41.0	526	15 US-10-385-802-52	Sequence 52, Appl1
41	1247	40.8	277	15 US-10-609-217-22	Sequence 22, Appl1
42	1247	40.8	277	15 US-10-632-388-22	Sequence 22, Appl1
43	1247	40.8	277	15 US-10-651-723-22	Sequence 22, Appl1
44	1247	40.8	277	15 US-10-645-761-22	Sequence 22, Appl1
45	1247	40.8	277	15 US-10-666-696-22	Sequence 22, Appl1

## ALIGNMENTS

RESULT 1  
US-09-847-208-7  
Sequence 7, Application US/09847208  
Publication No. US2003082190A1  
GENERAL INFORMATION:  
APPLICANT: Saxon, Andrew  
APPLICANT: Zhu, Daocheng  
TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
FILE REFERENCE: UC67,002A  
CURRENT APPLICATION NUMBER: US/09/847,208  
CURRENT FILING DATE: 2001-05-01  
NUMBER OF SEQ. ID NOS: 177  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 7  
LENGTH: 569  
TYPE: PRT  
ORGANISM: Unknown  
FEATURE:  
OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4  
US-09-847-208-7

Query Match 100.0%; Score 3060; DB 10; Length 569;  
Best Local Similarity 100.0%; Pred. No. 4, 1e-193;  
Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EPRSCDKHTHCPCPAPELLGSPVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
DB 1 EPRSCDKHTHCPCPAPELLGSPVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVANNVTKTREPREDYNNSTYRVSVLTLYLHQQMNGKRYCKVSKALPAPIEKT 120  
DB 61 NWYVDGVEVANNVTKREPREDYNNSTYRVSVLTLYLHQQMNGKRYCKVSKALPAPIEKT 120

```
QY 121 ISKAVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPP 180
DB 121 ISKAVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPP 180
QY 181 PVLDSVGSFPLYSKLTVDKSRMWOQGNVFCGVMEHALLHNHYQOQSLSLSPGKVEGGGSG 240
DB 181 PVLDSVGSFPLYSKLTVDKSRMWOQGNVFCGVMEHALLHNHYQOQSLSLSPGKVEGGGSG 240
QY 241 GGGSGGGGFTPTPVKILQSSCDGGGHPPTIQLCLVSGYTPGTINTIMLEDQVMDVD 300
DB 241 GGGSGGGGFTPTPVKILQSSCDGGGHPPTIQLCLVSGYTPGTINTIMLEDQVMDVD 300
QY 301 LSTASTQEGELASTQSELTLISQKHWLSDRTYTCQVYQGHFTFEDSTKCKADSNPRGVA 360
DB 301 LSTASTQEGELASTQSELTLISQKHWLSDRTYTCQVYQGHFTFEDSTKCKADSNPRGVA 360
QY 361 YLSRPSPEDLFIRKSPITTCVLDVLAAPSKGTVNLTWRSASGKPVNHSRKEKORNGTLT 420
DB 361 YLSRPSPEDLFIRKSPITTCVLDVLAAPSKGTVNLTWRSASGKPVNHSRKEKORNGTLT 420
QY 421 VTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEMPGSRD 480
DB 421 VTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEMPGSRD 480
QY 481 KRTIACLIQNFMPEDISVQWMLHNEVQLPDARHSTTQPRKTKGSGFVFSRLLEVTRAEMEQ 540
DB 481 KRTIACLIQNFMPEDISVQWMLHNEVQLPDARHSTTQPRKTKGSGFVFSRLLEVTRAEMEQ 540
QY 541 KDFICRAVHEAASPSQTVQRAVSNPGK 569
DB 541 KDFICRAVHEAASPSQTVQRAVSNPGK 569
```

```
RESULT 2
US-10-000-439-7
; Sequence 7, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000.439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion polypeptide comprising a hinge-CH2-CH3
; OTHER INFORMATION: (IgG1) sequence and a CH2-CH3-CH4 (IgE) sequence
US-10-000-439-7
```

```
Query Match 100.0%; Score 3060; DB 14; Length 569;
Best Local Similarity 100.0%; Pred. No. 4,1e-193;
Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPKSCDHTPCPCPAPELLIGSPVLFPPKPKDTLMISRTPEVTVVVDVSHEDPEVVF 60
DB 1 EPKSCDHTPCPCPAPELLIGSPVLFPPKPKDTLMISRTPEVTVVVDVSHEDPEVVF 60
QY 61 NMVVDVEVHNVTKRREQYNSTYRVSVSLTVLHQNMMNGKXYKCKVSNKALPAPIEXT 120
DB 61 NMVVDVEVHNVTKRREQYNSTYRVSVSLTVLHQNMMNGKXYKCKVSNKALPAPIEXT 120
QY 121 ISAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPP 180
DB 121 ISAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPP 180
```

```
QY 181 PVLDSVGSFPLYSKLTVDKSRMWOQGNVFCGVMEHALLHNHYQOQSLSLSPGKVEGGGSG 240
DB 181 PVLDSVGSFPLYSKLTVDKSRMWOQGNVFCGVMEHALLHNHYQOQSLSLSPGKVEGGGSG 240
QY 241 GGGSGGGGFTPTPVKILQSSCDGGGHPPTIQLCLVSGYTPGTINTIMLEDQVMDVD 300
DB 241 GGGSGGGGFTPTPVKILQSSCDGGGHPPTIQLCLVSGYTPGTINTIMLEDQVMDVD 300
QY 301 LSTASTQEGELASTQSELTLISQKHWLSDRTYTCQVYQGHFTFEDSTKCKADSNPRGVA 360
DB 301 LSTASTQEGELASTQSELTLISQKHWLSDRTYTCQVYQGHFTFEDSTKCKADSNPRGVA 360
QY 361 YLSRPSPEDLFIRKSPITTCVLDVLAAPSKGTVNLTWRSASGKPVNHSRKEKORNGTLT 420
DB 361 YLSRPSPEDLFIRKSPITTCVLDVLAAPSKGTVNLTWRSASGKPVNHSRKEKORNGTLT 420
QY 421 VTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEMPGSRD 480
DB 421 VTSTLPVGTTRDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEMPGSRD 480
QY 481 KRTIACLIQNFMPEDISVQWMLHNEVQLPDARHSTTQPRKTKGSGFVFSRLLEVTRAEMEQ 540
DB 481 KRTIACLIQNFMPEDISVQWMLHNEVQLPDARHSTTQPRKTKGSGFVFSRLLEVTRAEMEQ 540
QY 541 KDFICRAVHEAASPSQTVQRAVSNPGK 569
DB 541 KDFICRAVHEAASPSQTVQRAVSNPGK 569
```

```
RESULT 3
US-09-847-208-5
; Sequence 5, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-208-5
```

```
Query Match 57.7%; Score 1766; DB 10; Length 427;
Best Local Similarity 76.0%; Pred. No. 4.2e-108;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGFPYPSDIAVWESNGQPENNYKTPP--PVLDS 185
DB 3 QSPSVFPLTRCCKNIPSNATSVTLGCLATGYFPEPVWVMTWT--GSLNGTMTLPAITLTL 61
QY 186 VGSFPLYSKLTVDKSRMWOQGNVFCGVMEHALLHNHY--QOQSLSLSPGKVEGGGSGGSGS 244
DB 62 SGHAYTISLTLV--SGAAMK--QMFICRAVHAPSSTDWMDNKTFFVC----- 104
QY 245 GGGSGFTPTPVKILQSSCDGGGHPPTIQLCLVSGYTPGTINTIMLEDQVMDVDLSTA 304
DB 105 --SRDFTPTPVKILQSSCDGGGHPPTIQLCLVSGYTPGTINTIMLEDQVMDVDLSTA 162
QY 305 STTQEGELASTQSELTLISQKHWLSDRTYTCQVYQGHFTFEDSTKCKADSNPRGSAVLSR 364
DB 163 STTQEGELASTQSELTLISQKHWLSDRTYTCQVYQGHFTFEDSTKCKADSNPRGSAVLSR 222
QY 365 PSPFDLFRKSPITTCVLDVLAAPSKGTVNLTWRSASGKPVNHSRKEKORNGTLTYTST 424
DB 223 PSPFDLFRKSPITTCVLDVLAAPSKGTVNLTWRSASGKPVNHSRKEKORNGTLTYTST 282
```

Qy 425 LPVGTDMIGETVQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEWGSRDRTL 484  
Db 283 LPVGTDMIGETVQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEWGSRDRTL 342  
Qy 485 ACTIONMPEDISVQWHLNEVQLPDARHSTTOPRKTGSGFVFSRLEVTRAEWEQDEF 544  
Db 343 ACTIONMPEDISVQWHLNEVQLPDARHSTTOPRKTGSGFVFSRLEVTRAEWEQDEF 402  
Qy 545 ICRAVHEAASPSQTVQRAVSVNPGK 569  
Db 403 ICRAVHEAASPSQTVQRAVSVNPGK 427

RESULT 4  
US-10-000-439-5

Sequence 5, Application US/10000439  
Publication No. US20030064063A1  
GENERAL INFORMATION:  
APPLICANT: Saxon, Andrew  
TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR  
FILE REFERENCE: UC067.004A  
CURRENT APPLICATION NUMBER: US/10/000.439  
CURRENT FILING DATE: 2001-10-24  
PRIOR APPLICATION NUMBER: US 09/847,208  
PRIOR FILING DATE: 2001-05-01  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 5  
LENGTH: 427  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-000-439-5

Query Match 57.7%; Score 1766; DB 14; Length 427;  
Best Local Similarity 78.0%; Pred. No. 4.2e-108;  
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

Qy 129 REPQVYTLPPSRDELTKQVSLT--CLVKGFPYSDIAVEMESNGQPENNYKTP-PVLDS 185  
Db 3 QSPSVFPLTRCKKNIPSNATSVTLGCLATGFFPVPVWTWT-GSLNGTMTLTPATLTL 61  
Qy 186 VGSFELYSLTVDKSRWQGNVFSQVMEALHNHY-QQRLSLSPKVEGGGSGGGS 244  
Db 62 SGHYATISLTLV-SGAMAK-QMFTCRVAHTPSSSTDWVNKTFSVC----- 104  
Qy 245 GGGGSFPTPVKILQSSCDGGHPPPTIQLCLVSGTPTGINTITWLEDQVMDVLDSTA 304  
Db 105 --SRDFTPTPVKILQSSCDGGHPPPTIQLCLVSGTPTGINTITWLEDQVMDVLDSTA 162  
Qy 305 STTOEGELASTOSELTLISQKWLSDRYTCQVYQGHTEFEDSTKCKADSNPRGSAVLSR 364  
Db 163 STTOEGELASTOSELTLISQKWLSDRYTCQVYQGHTEFEDSTKCKADSNPRGSAVLSR 222  
Qy 365 PSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRASKPVNHSRKEKORNGTLTVTST 424  
Db 223 PSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRASKPVNHSRKEKORNGTLTVTST 282  
Qy 425 LPVGTDMIGETVQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEWGSRDRTL 484  
Db 283 LPVGTDMIGETVQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEWGSRDRTL 342  
Qy 485 ACTIONMPEDISVQWHLNEVQLPDARHSTTOPRKTGSGFVFSRLEVTRAEWEQDEF 544  
Db 343 ACTIONMPEDISVQWHLNEVQLPDARHSTTOPRKTGSGFVFSRLEVTRAEWEQDEF 402  
Qy 545 ICRAVHEAASPSQTVQRAVSVNPGK 569  
Db 403 ICRAVHEAASPSQTVQRAVSVNPGK 427

RESULT 5

US-09-916-230-1  
Sequence 1, Application US/09916230  
Patent No. US20020146422A1  
GENERAL INFORMATION:  
APPLICANT: Bachmann, Martin F.  
APPLICANT: Renner, Wolfgang A.  
TITLE OF INVENTION: Compositions for Inducing Self-Specific Anti-IgE  
TITLE OF INVENTION: Antibodies and Uses Thereof  
FILE REFERENCE: 1700.0140001  
CURRENT APPLICATION NUMBER: US/09/916.230  
CURRENT FILING DATE: 2001-07-27  
PRIOR APPLICATION NUMBER: US 60/221,841  
PRIOR FILING DATE: 2000-07-28  
NUMBER OF SEQ ID NOS: 35  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 1  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-916-230-1

Query Match 57.7%; Score 1766; DB 9; Length 428;  
Best Local Similarity 78.0%; Pred. No. 4.2e-108;  
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

Qy 129 REPQVYTLPPSRDELTKQVSLT--CLVKGFPYSDIAVEMESNGQPENNYKTP-PVLDS 185  
Db 4 QSPSVFPLTRCKKNIPSNATSVTLGCLATGFFPVPVWTWT-GSLNGTMTLTPATLTL 62  
Qy 186 VGSFELYSLTVDKSRWQGNVFSQVMEALHNHY-QQRLSLSPKVEGGGSGGGS 244  
Db 63 SGHYATISLTLV-SGAMAK-QMFTCRVAHTPSSSTDWVNKTFSVC----- 105  
Qy 245 GGGGSFPTPVKILQSSCDGGHPPPTIQLCLVSGTPTGINTITWLEDQVMDVLDSTA 304  
Db 106 --SRDFTPTPVKILQSSCDGGHPPPTIQLCLVSGTPTGINTITWLEDQVMDVLDSTA 163  
Qy 305 STTOEGELASTOSELTLISQKWLSDRYTCQVYQGHTEFEDSTKCKADSNPRGSAVLSR 364  
Db 164 STTOEGELASTOSELTLISQKWLSDRYTCQVYQGHTEFEDSTKCKADSNPRGSAVLSR 223  
Qy 365 PSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRASKPVNHSRKEKORNGTLTVTST 424  
Db 224 PSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRASKPVNHSRKEKORNGTLTVTST 283  
Qy 425 LPVGTDMIGETVQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEWGSRDRTL 484  
Db 284 LPVGTDMIGETVQCRVTHPHLPALMRSTTKTSGPRAPEVYAFATPEWGSRDRTL 343  
Qy 485 ACTIONMPEDISVQWHLNEVQLPDARHSTTOPRKTGSGFVFSRLEVTRAEWEQDEF 544  
Db 344 ACTIONMPEDISVQWHLNEVQLPDARHSTTOPRKTGSGFVFSRLEVTRAEWEQDEF 403  
Qy 545 ICRAVHEAASPSQTVQRAVSVNPGK 569  
Db 404 ICRAVHEAASPSQTVQRAVSVNPGK 428

RESULT 6  
US-09-949-375A-1  
Sequence 1, Application US/09949375A  
Patent No. US20020172673A1  
GENERAL INFORMATION:  
APPLICANT: Klysner, Steen et al.  
TITLE OF INVENTION: METHOD FOR DOWN-REGULATING ICE  
FILE REFERENCE: 3631-0111P  
CURRENT APPLICATION NUMBER: US/09/949.375A  
CURRENT FILING DATE: 2002-01-18  
NUMBER OF SEQ ID NOS: 38  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 428  
TYPE: PRT

```
/ ORGANISM: homo sapiens
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (11)..(116)
/ OTHER INFORMATION: Human Ige heavy chain C1 domain
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (209)..(216)
/ OTHER INFORMATION: Linker between domains C2 and C3
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (205)..(219)
/ OTHER INFORMATION: Epitope including C2C3 linker
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (315)..(323)
/ OTHER INFORMATION: Epitope including C3C4 linker
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (244)..(251)
/ OTHER INFORMATION: Epitope in BC loop
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (272)..(280)
/ OTHER INFORMATION: Epitope in DE loop
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (301)..(311)
/ OTHER INFORMATION: Epitope in FG loop
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (317)..(320)
/ OTHER INFORMATION: Linker between domains C3 and C4
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (321)..(422)
/ OTHER INFORMATION: Human Ige heavy chain C4 domain
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (217)..(316)
/ OTHER INFORMATION: Human Ige heavy chain C3 domain
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (113)..(208)
/ OTHER INFORMATION: Human Ige heavy chain C2 domain
US-09-949-375A-1
```

Query Match 57.7%; Score 1766; DB 9; Length 428;  
Best Local Similarity 78.0%; Pred. No. 4.2e-108;  
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

```
QY 129 REPQVYTLPPSRDELTKGVSLT--CLVKGFPYSDIAVWESNGQPENNYKTP-PVLDS 185
DB 4 QSPVFPLTRCKKNIPNATSVTLGCLATGYPPEPVWVTWDT-GSLNGTMTLPAITLTL 62
QY 186 VGSFFLYSKLTVDSRWQGNVFCVMEHALNHY-QQRLSLSPGKVEGGGSGGGS 244
DB 63 SGHATISLTLV-SGAMAK-QMFTCRVAHTPSSTDWVNDKTFVVC----- 105
QY 245 GGGGSFTPTVKILQSSCDGGHFPPTIQLCLVSGYTGTTNITWLEDGQVMDVLDSTA 304
DB 106 --SRDFTPTVKILQSSCDGGHFPPTIQLCLVSGYTGTTNITWLEDGQVMDVLDSTA 163
QY 305 STTOGELASTOSELTLISQKHWLSDRTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 364
DB 164 STTOGELASTOSELTLISQKHWLSDRTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 223
QY 365 PSPFDLFIKSPITITGLVVDLAPSKGTVNLTWRSRSGKRVNHSRKKEKORNGTLTVTST 424
DB 224 PSPFDLFIKSPITITGLVVDLAPSKGTVNLTWRSRSGKRVNHSRKKEKORNGTLTVTST 283
QY 425 LPVGTDMWIEGTYQCRVTHPHLPALMSTTKTSGPRAAPVYVAFATPEWPGSRDKRTL 484
```

```
DB 284 LPVGTDMWIEGTYQCRVTHPHLPALMSTTKTSGPRAAPVYVAFATPEWPGSRDKRTL 343
QY 485 ACLIQNFMEDISVQWLHNEVOLPDARHSTTOPRKTKSGGFVFSRLVTRAEMEQKDEF 544
DB 344 ACLIQNFMEDISVQWLHNEVOLPDARHSTTOPRKTKSGGFVFSRLVTRAEMEQKDEF 403
QY 545 ICRAVHEAASPQTVQRAVSNVPGK 569
DB 404 ICRAVHEAASPQTVQRAVSNVPGK 428
```

RESULT 7  
US-10-047-542-60

```
/ Sequence 60, Application US/10047542
/ Publication No. US20020168367A1
/ GENERAL INFORMATION:
/ APPLICANT: WYCOFF, KEITH L.
/ TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING VIRAL
/ FILE REFERENCE: 030905,0004.CIP1
/ CURRENT APPLICATION NUMBER: US/10/047,542
/ PRIOR FILING DATE: 2001-10-26
/ PRIOR APPLICATION NUMBER: PCT/US01/13932
/ PRIOR FILING DATE: 2001-04-28
/ NUMBER OF SEQ ID NOS: 101
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 60
/ LENGTH: 428
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-047-542-60
```

Query Match 57.7%; Score 1766; DB 13; Length 428;  
Best Local Similarity 78.0%; Pred. No. 4.2e-108;  
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

```
QY 129 REPQVYTLPPSRDELTKGVSLT--CLVKGFPYSDIAVWESNGQPENNYKTP-PVLDS 185
DB 4 QSPVFPLTRCKKNIPNATSVTLGCLATGYPPEPVWVTWDT-GSLNGTMTLPAITLTL 62
QY 186 VGSFFLYSKLTVDSRWQGNVFCVMEHALNHY-QQRLSLSPGKVEGGGSGGGS 244
DB 63 SGHATISLTLV-SGAMAK-QMFTCRVAHTPSSTDWVNDKTFVVC----- 105
QY 245 GGGGSFTPTVKILQSSCDGGHFPPTIQLCLVSGYTGTTNITWLEDGQVMDVLDSTA 304
DB 106 --SRDFTPTVKILQSSCDGGHFPPTIQLCLVSGYTGTTNITWLEDGQVMDVLDSTA 163
QY 305 STTOGELASTOSELTLISQKHWLSDRTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 364
DB 164 STTOGELASTOSELTLISQKHWLSDRTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 223
QY 365 PSPFDLFIKSPITITGLVVDLAPSKGTVNLTWRSRSGKRVNHSRKKEKORNGTLTVTST 424
DB 224 PSPFDLFIKSPITITGLVVDLAPSKGTVNLTWRSRSGKRVNHSRKKEKORNGTLTVTST 283
QY 425 LPVGTDMWIEGTYQCRVTHPHLPALMSTTKTSGPRAAPVYVAFATPEWPGSRDKRTL 484
DB 284 LPVGTDMWIEGTYQCRVTHPHLPALMSTTKTSGPRAAPVYVAFATPEWPGSRDKRTL 343
QY 485 ACLIQNFMEDISVQWLHNEVOLPDARHSTTOPRKTKSGGFVFSRLVTRAEMEQKDEF 544
DB 344 ACLIQNFMEDISVQWLHNEVOLPDARHSTTOPRKTKSGGFVFSRLVTRAEMEQKDEF 403
QY 545 ICRAVHEAASPQTVQRAVSNVPGK 569
DB 404 ICRAVHEAASPQTVQRAVSNVPGK 428
```

RESULT 8



US-10-363-954A-1  
Sequence 1, Application US/10363954A.  
Publication No. US20040156838A1  
GENERAL INFORMATION:  
APPLICANT: KLYSNER, Steen et al.  
TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE  
FILE REFERENCE: 4614-0115P  
CURRENT APPLICATION NUMBER: US/10/363,954A  
CURRENT FILING DATE: 2003-03-06  
PRIORITY APPLICATION NUMBER: US 60/223,831  
PRIORITY FILING DATE: 2000-09-15  
PRIORITY APPLICATION NUMBER: DK PA 2000 01326  
PRIORITY FILING DATE: 2000-09-06  
NUMBER OF SEQ ID NOS: 38  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (11)-(116)  
OTHER INFORMATION: Human IGE heavy chain C1 domain  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (209)-(216)  
OTHER INFORMATION: Linker between domains C2 and C3  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (205)-(219)  
OTHER INFORMATION: Epitope including C2C3 linker  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (315)-(323)  
OTHER INFORMATION: Epitope including C3C4 linker  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (244)-(251)  
OTHER INFORMATION: Epitope in BC loop  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (272)-(280)  
OTHER INFORMATION: Epitope in DE loop  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (301)-(311)  
OTHER INFORMATION: Epitope in FG loop  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (317)-(320)  
OTHER INFORMATION: Linker between domains C3 and C4  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (321)-(422)  
OTHER INFORMATION: Human IGE heavy chain C4 domain  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (217)-(316)  
OTHER INFORMATION: Human IGE heavy chain C3 domain  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (113)-(208)  
OTHER INFORMATION: Human IGE heavy chain C2 domain  
US-10-363-954A-1  
Query Match 57.7%; Score 1766; DB 16; Length 428;  
Best Local Similarity 78.0%; Pred. No. 4.2e-108;  
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;  
QY 129 REPQVYTLPSRDELTKNQVSLT--CLVKGFPYPSDIAVESNQOPENNYKTP--PVLDLS 185  
Db 4 QSPSPVPLTRCKCKNI PSNATSVTLGLATGYFPPVAVTWDT--GSLNGTTLPLATLTL 62

QY 186 VGSFELYSKLTVDKSRMOQGNVFSQSYMEBALNNHY-QQRLSLSPGKVEGGGGGGGG 244  
Db 63 SGHATISILTY-SGAMAK-QMFTCRVAHTPSSSTDWDMKTFVC----- 105  
QY 245 GGGGSPFPVTKLQSSCDGGHPPTIOLCLVSGTPTCTINTWLEDQVMDVLDSTA 304  
Db 106--SRDFPFPVKLQSSCDGGHPPTIOLCLVSGTPTCTINTWLEDQVMDVLDSTA 163  
QY 305 STTOEGELASTQSELTLQGWMLSDRTYTCQVYQGHTEFSDSTKCCADSNPRGVSAVLSR 364  
Db 164 STTOEGELASTQSELTLQGWMLSDRTYTCQVYQGHTEFSDSTKCCADSNPRGVSAVLSR 223  
QY 365 PSPFDLPFRKSPITTCVLVDLAPSKGTNLTWSRASKPVNHSRKEKQRNGTLVTST 424  
Db 224 PSPFDLPFRKSPITTCVLVDLAPSKGTNLTWSRASKPVNHSRKEKQRNGTLVTST 283  
QY 425 LPVGTBWMIGETVYQCRVTHPHLPALMRSTTSGPRAPPEVYAFATPMPGSRDRTL 484  
Db 284 LPVGTBWMIGETVYQCRVTHPHLPALMRSTTSGPRAPPEVYAFATPMPGSRDRTL 343  
QY 485 ACLIQNFMPEDISVQWLNHNEVOLPDARHSTTOPRKTGSGFVFSRLVTRAEMQKDEF 544  
Db 344 ACLIQNFMPEDISVQWLNHNEVOLPDARHSTTOPRKTGSGFVFSRLVTRAEMQKDEF 403  
QY 545 ICRAVHEAASPSQTVQRAVSVPNGK 569  
Db 404 ICRAVHEAASPSQTVQRAVSVPNGK 428

RESULT 9  
US-09-949-375A-7  
Sequence 7, Application US/09949375A  
Patent No. US20020172673A1  
GENERAL INFORMATION:  
APPLICANT: KLYSNER, Steen et al.  
TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE  
FILE REFERENCE: 3631-0111P  
CURRENT APPLICATION NUMBER: US/09/949,375A  
CURRENT FILING DATE: 2002-01-18  
NUMBER OF SEQ ID NOS: 38  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 7  
LENGTH: 441  
TYPE: PRT  
ORGANISM: homo sapiens  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (11)-(106)  
OTHER INFORMATION: IGE heavy chain C1 domain  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (113)-(208)  
OTHER INFORMATION: IGE heavy chain C2 domain  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (217)-(317)  
OTHER INFORMATION: IGE heavy chain C3 domain  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (321)-(422)  
OTHER INFORMATION: IGE heavy chain C4 domain  
FEATURE:  
NAME/KEY: DOMAIN  
LOCATION: (427)-(441)  
OTHER INFORMATION: MIGIS fragment  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (209)-(216)  
OTHER INFORMATION: Linker between domains C2 and C3  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (318)-(320)  
OTHER INFORMATION: Linker between domains C3 and C4

```
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (205)..(219)
OTHER INFORMATION: Epitope including C2C3 linker
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (315)..(323)
OTHER INFORMATION: Epitope including C3C4 linker
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (244)..(251)
OTHER INFORMATION: Epitope in BC loop
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (272)..(280)
OTHER INFORMATION: Epitope in DE loop
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (301)..(311)
OTHER INFORMATION: Epitope in FG loop
US-09-949-375A-7
```

```
Query Match 57.4%; Score 1755; DB 9; Length 441;
Best Local Similarity 77.9%; Pred. No. 2.3e-107;
Matches 345; Conservative 17; Mismatches 57; Indels 24; Gaps 7;
```

```
QY 129 REPQVTLPPSRDELTKNOVSLT--CLVKGFPSDIAVWESNGQPENNYKTP-PVLDS 185
DB 4 QSPSVFPLTRCCKNIPSNATSVTLGCLATGFPPEPVWMDT-GSLNGTTMTLPATTLTL 62
QY 186 VGSFPLYSKLTVDKSRWQGNVFCSCVMEALHNHY-QQRSLSLSPGKVEGGGSGGGS 244
DB 63 SGHYATISLTLV-SGAMAK-QMFTCRVAHTPSTDWDNKTFVC----- 105
QY 245 GGGGFTPTVKLIQSSCDGGHFPPTIQLCLVSGYTGTITITWLEDOQWMDVLDSTA 304
DB 106 --SRDFTPTVKLIQSSCDGGHFPPTIQLCLVSGYTGTITITWLEDOQWMDVLDSTA 163
QY 305 STTOEGELASTOSELTLISQKHWLSDRTYTCQVTVYQGHTEPDSITKCKADSNPRGVSAYLSR 364
DB 164 STTOEGELASTOSELTLISQKHWLSDRTYTCQVTVYQGHTEPDSITKCKADSNPRGVSAYLSR 223
QY 365 PSPFDLFIKRSPTITCLVVDLAPSCKTVNLTWASRASKPVNHSITRKEKORNGTLTVTST 424
DB 224 PSPFDLFIKRSPTITCLVVDLAPSCKTVNLTWASRASKPVNHSITRKEKORNGTLTVTST 283
QY 425 LPVGTDMIGETVYQCRVTHPLPRALMRSTTKSGPRAPPEVYAFATPEWPGSRDKTL 484
DB 284 LPVGTDMIGETVYQCRVTHPLPRALMRSTTKSGPRAPPEVYAFATPEWPGSRDKTL 343
QY 485 ACLIONMPEDISVQWLNHEVOLPDARHSTTOPRKTGSGFPVFSRLVTRAEMQKDEF 544
DB 344 ACLIONMPEDISVQWLNHEVOLPDARHSTTOPRKTGSGFPVFSRLVTRAEMQKDEF 403
QY 545 ICRAVHEAASPQTVORAVSNP 567
DB 404 ICRAVHEAASPQTVORAVSNP 426
```

```
RESULT 10
US-10-363-954A-7
; Sequence 7, Application US/10363954A
; Publication No. US20040156838A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 4614-0115P
; CURRENT APPLICATION NUMBER: US/10/363,954A
; PRIOR FILING DATE: 2003-03-06
; PRIOR APPLICATION NUMBER: US 60/232,831
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: DK PA 2000 01326
; PRIOR FILING DATE: 2000-09-06
```

```
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PatentIn version 3.1
SEQ ID NO 7
LENGTH: 441
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (11)..(106)
OTHER INFORMATION: Ige heavy chain C1 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (113)..(208)
OTHER INFORMATION: Ige heavy chain C2 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (217)..(317)
OTHER INFORMATION: Ige heavy chain C3 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (321)..(422)
OTHER INFORMATION: Ige heavy chain C4 domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (427)..(441)
OTHER INFORMATION: Linker between domains C2 and C3
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (318)..(320)
OTHER INFORMATION: Linker between domains C3 and C4
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (205)..(219)
OTHER INFORMATION: Epitope including C2C3 linker
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (315)..(323)
OTHER INFORMATION: Epitope including C3C4 linker
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (244)..(251)
OTHER INFORMATION: Epitope in BC loop
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (272)..(280)
OTHER INFORMATION: Epitope in DE loop
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (301)..(311)
OTHER INFORMATION: Epitope in FG loop
US-10-363-954A-7
```

```
Query Match 57.4%; Score 1755; DB 16; Length 441;
Best Local Similarity 77.9%; Pred. No. 2.3e-107;
Matches 345; Conservative 17; Mismatches 57; Indels 24; Gaps 7;
```

```
QY 129 REPQVTLPPSRDELTKNOVSLT--CLVKGFPSDIAVWESNGQPENNYKTP-PVLDS 185
DB 4 QSPSVFPLTRCCKNIPSNATSVTLGCLATGFPPEPVWMDT-GSLNGTTMTLPATTLTL 62
QY 186 VGSFPLYSKLTVDKSRWQGNVFCSCVMEALHNHY-QQRSLSLSPGKVEGGGSGGGS 244
DB 63 SGHYATISLTLV-SGAMAK-QMFTCRVAHTPSTDWDNKTFVC----- 105
QY 245 GGGGFTPTVKLIQSSCDGGHFPPTIQLCLVSGYTGTITITWLEDOQWMDVLDSTA 304
DB 106 --SRDFTPTVKLIQSSCDGGHFPPTIQLCLVSGYTGTITITWLEDOQWMDVLDSTA 163
QY 305 STTOEGELASTOSELTLISQKHWLSDRTYTCQVTVYQGHTEPDSITKCKADSNPRGVSAYLSR 364
```

```

Db      164 STTQEGELASTQSLTISQKHWLSDRTYTCQVYQGHTEFESTKCKADSNPRGSAVLSR 223
      |||
Qy      365 PSPFDLFIKRSPTTTCVLDVLAPEKGTVNLTWSPASGKPVNHSRKEKORNGTLTYTST 424
      |||
Db      224 PSPFDLFIKRSPTTTCVLDVLAPEKGTVNLTWSPASGKPVNHSRKEKORNGTLTYTST 283
      |||
Qy      425 LPVGTDMIGETVQCRVTHPHLRALMRSTTKTSGPRAAPEVAFATPEWPGSRDRTL 484
      |||
Db      284 LPVGTDMIGETVQCRVTHPHLRALMRSTTKTSGPRAAPEVAFATPEWPGSRDRTL 343
      |||
Qy      485 ACIIQNPEDISVQWMLHNEVQLPDARHSTTOPRKTGSGFFVSRLEVTAEWEQDEF 544
      |||
Db      344 ACIIQNPEDISVQWMLHNEVQLPDARHSTTOPRKTGSGFFVSRLEVTAEWEQDEF 403
      |||
Qy      545 ICRAVHEAASPSQTVQRAVSNP 567
      |||
Db      404 ICRAVHEAASPSQTVQRAVSNP 426
      |||

```

## RESULT 11

```

US-10-872-932A-35
; Sequence 35, Application US/10872932A
; Publication No. US20050033029A1
; GENERAL INFORMATION:
; APPLICANT: Jin Lu
; TITLE OF INVENTION: ENGINEERED ANTI-TARGET IMMUNOGLOBULIN DERIVED PROTEINS
; FILE REFERENCE: CEN503IND
; CURRENT APPLICATION NUMBER: US/10/872,932A
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 60/483,654
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 35
; LENGTH: 497
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-872-932A-35

```

Query Match 57.3%; Score 1754.5; DB 17; Length 497;

Best Local Similarity 77.5%; Pred. No. 2.9e-107;

Matches 347; Conservative 17; Mismatches 57; Indels 27; Gaps 8;

```

Qy      129 REQVYTLPSRDELTKQVSLT--CLVGFYPSDIQVWESNQPENNYKTFPVLDS 185
      |||
Db      4 QSPSVFPLTRCKNI PSNATSVTLGCLATGFFPEPVMTWDT-GSLNGTMTLTPATTLTL 62
      |||
Qy      186 VGSFFFLSKLTVDKSRQGVNFCSSVMHEALHNHY-QORSLSLSPGKVEGGGSGGGS 244
      |||
Db      63 SGHATISLTLV-SGAMAK-QMFTCRVAHTPSSSTDWMDNKTFVC----- 105
      |||
Qy      245 GGGGSGFTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTA 304
      |||
Db      106 --SRDFTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTA 163
      |||
Qy      305 STTQEGELASTQSLTISQKHWLSDRTYTCQVYQGHTEFESTKCKADSNPRGSAVLSR 364
      |||
Db      164 STTQEGELASTQSLTISQKHWLSDRTYTCQVYQGHTEFESTKCKADSNPRGSAVLSR 223
      |||
Qy      365 PSPFDLFIKRSPTTTCVLDVLAPEKGTVNLTWSPASGKPVNHSRKEKORNGTLTYTST 424
      |||
Db      224 PSPFDLFIKRSPTTTCVLDVLAPEKGTVNLTWSPASGKPVNHSRKEKORNGTLTYTST 283
      |||
Qy      425 LPVGTDMIGETVQCRVTHPHLRALMRSTTKTSGPRAAPEVAFATPEWPGSRDRTL 481
      |||
Db      284 LPVGTDMIGETVQCRVTHPHLRALMRSTTKTSGPRAAPEVAFATPEWPGSRDRTL 343
      |||
Qy      482 RTIACIIQNPEDISVQWMLHNEVQLPDARHSTTOPRKTGSGFFVSRLEVTAEWEQ 541
      |||
Db      344 RTIACIIQNPEDISVQWMLHNEVQLPDARHSTTOPRKTGSGFFVSRLEVTAEWEQ 403
      |||
Qy      542 DEFICRAVHEAASPSQTVQRAVSNP 569
      |||

```

```

Db      404 DEFICRAVHEAASPSQTVQRAVSNP 431
      |||

```

## RESULT 12

```

US-09-847-208-6
; Sequence 6, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC067,002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-208-6

```

Query Match 55.8%; Score 1707; DB 10; Length 320;

Best Local Similarity 100.0%; Pred. No. 2.3e-104;

Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      250 FTPTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTA 309
      |||
Db      1 FTPTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTA 60
      |||
Qy      310 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTEFESTKCKADSNPRGSAVLSR 369
      |||
Db      61 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTEFESTKCKADSNPRGSAVLSR 120
      |||
Qy      370 LPIKRSPTTTCVLDVLAPEKGTVNLTWSPASGKPVNHSRKEKORNGTLTYTST 429
      |||
Db      121 LPIKRSPTTTCVLDVLAPEKGTVNLTWSPASGKPVNHSRKEKORNGTLTYTST 180
      |||
Qy      430 RDWIEGETVQCRVTHPHLRALMRSTTKTSGPRAAPEVAFATPEWPGSRDRTL 489
      |||
Db      181 RDWIEGETVQCRVTHPHLRALMRSTTKTSGPRAAPEVAFATPEWPGSRDRTL 240
      |||
Qy      490 NFMPEDISVQWMLHNEVQLPDARHSTTOPRKTGSGFFVSRLEVTAEWEQDEFICRAV 549
      |||
Db      241 NFMPEDISVQWMLHNEVQLPDARHSTTOPRKTGSGFFVSRLEVTAEWEQDEFICRAV 300
      |||
Qy      550 HEAASPSQTVQRAVSNP 569
      |||
Db      301 HEAASPSQTVQRAVSNP 320
      |||

```

## RESULT 13

```

US-10-000-439-6
; Sequence 6, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067,004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens

```

US-10-000-439-6

Query Match 55.8%; Score 1707; DB 14; Length 320;  
Best Local Similarity 100.0%; Pred. No. 2.3e-104;  
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 250 FTPTVVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDCQVMDVDLSTASTOE 309  
Db 1 FTPTVVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDCQVMDVDLSTASTOE 60

QY 310 GELASTOSELTLSQKHWLSDRITTCQVYQGHTEFEDSTKCADSNPRGSAVLSRPSPD 369  
Db 61 GELASTOSELTLSQKHWLSDRITTCQVYQGHTEFEDSTKCADSNPRGSAVLSRPSPD 120

QY 370 LFIKSPPTITCLVVDLAPSGKTVNLTWSPASGKPVNHSRKEKORNGTLVTSTLPVGT 429  
Db 121 LFIKSPPTITCLVVDLAPSGKTVNLTWSPASGKPVNHSRKEKORNGTLVTSTLPVGT 180

QY 430 RDMISEGTQCVTHPHLPALMRSTTKTSGPRAPAEVYAFATPEWPGSRDKRTIACLIQ 489  
Db 181 RDMISEGTQCVTHPHLPALMRSTTKTSGPRAPAEVYAFATPEWPGSRDKRTIACLIQ 240

QY 490 NFMPEDISVQWLNHEVOLPDARHSTTOPRKTGSGFFVFSRLVETRAEMEQKDEFICRAV 549  
Db 241 NFMPEDISVQWLNHEVOLPDARHSTTOPRKTGSGFFVFSRLVETRAEMEQKDEFICRAV 300

QY 550 HEASPSQTVQRAVSVPNGK 569  
Db 301 HEASPSQTVQRAVSVPNGK 320

RESULT 14

US-09-949-375A-2  
; Sequence 2, Application US/09949375A  
; Patent No. US20020172673A1  
; GENERAL INFORMATION:  
; APPLICANT: KLYSNER, Steen et al.  
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE  
; FILE REFERENCE: 3631-0111P  
; CURRENT APPLICATION NUMBER: US/09/949,375A  
; CURRENT FILING DATE: 2002-01-18  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 323  
; TYPE: PRT  
; ORGANISM: homo sapiens  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (8)..(103)  
; OTHER INFORMATION: Human IGE heavy chain C2 domain  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (112)..(211)  
; OTHER INFORMATION: Human IGE heavy chain C3 domain  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (216)..(317)  
; OTHER INFORMATION: Human IGE heavy chain C4 domain  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (104)..(111)  
; OTHER INFORMATION: Linker between domains C2 and C3  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (212)..(215)  
; OTHER INFORMATION: Linker between domains C3 and C4  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (100)..(114)  
; OTHER INFORMATION: Epitope including C2C3 linker  
; FEATURE:  
; NAME/KEY: MISC FEATURE

LOCATION: (210)..(218)  
; OTHER INFORMATION: Epitope including C3C4 linker  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (139)..(145)  
; OTHER INFORMATION: Epitope in BC loop  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (167)..(175)  
; OTHER INFORMATION: Epitope in DE loop  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (196)..(206)  
; OTHER INFORMATION: Epitope in FG loop

US-09-949-375A-2

Query Match 55.8%; Score 1707; DB 9; Length 323;  
Best Local Similarity 100.0%; Pred. No. 2.3e-104;  
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 250 FTPTVVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDCQVMDVDLSTASTOE 309  
Db 4 FTPTVVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDCQVMDVDLSTASTOE 63

QY 310 GELASTOSELTLSQKHWLSDRITTCQVYQGHTEFEDSTKCADSNPRGSAVLSRPSPD 369  
Db 64 GELASTOSELTLSQKHWLSDRITTCQVYQGHTEFEDSTKCADSNPRGSAVLSRPSPD 123

QY 370 LFIKSPPTITCLVVDLAPSGKTVNLTWSPASGKPVNHSRKEKORNGTLVTSTLPVGT 429  
Db 124 LFIKSPPTITCLVVDLAPSGKTVNLTWSPASGKPVNHSRKEKORNGTLVTSTLPVGT 183

QY 430 RDMISEGTQCVTHPHLPALMRSTTKTSGPRAPAEVYAFATPEWPGSRDKRTIACLIQ 489  
Db 184 RDMISEGTQCVTHPHLPALMRSTTKTSGPRAPAEVYAFATPEWPGSRDKRTIACLIQ 243

QY 490 NFMPEDISVQWLNHEVOLPDARHSTTOPRKTGSGFFVFSRLVETRAEMEQKDEFICRAV 549  
Db 244 NFMPEDISVQWLNHEVOLPDARHSTTOPRKTGSGFFVFSRLVETRAEMEQKDEFICRAV 303

QY 550 HEASPSQTVQRAVSVPNGK 569  
Db 304 HEASPSQTVQRAVSVPNGK 323

RESULT 15

US-09-949-375A-4  
; Sequence 4, Application US/09949375A  
; Patent No. US20020172673A1  
; GENERAL INFORMATION:  
; APPLICANT: KLYSNER, Steen et al.  
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE  
; FILE REFERENCE: 3631-0111P  
; CURRENT APPLICATION NUMBER: US/09/949,375A  
; CURRENT FILING DATE: 2002-01-18  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 323  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 3.

US-09-949-375A-4

Query Match 55.8%; Score 1707; DB 9; Length 323;  
Best Local Similarity 100.0%; Pred. No. 2.3e-104;  
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 250 FTPTVVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDCQVMDVDLSTASTOE 309  
Db 4 FTPTVVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDCQVMDVDLSTASTOE 63

QY 310 GELASTQSELTLSDRTYTCQVYQGHTEFEDSTKCADSNPRGVSAYLSRPSFD 369  
 Db 64 GELASTQSELTLSDRTYTCQVYQGHTEFEDSTKCADSNPRGVSAYLSRPSFD 123  
 QY 370 LFTKSGPTTICLVVDLAPSKGTNLTWSRSGKPVNHSTRKEKORNGTLTVTSTLPVGT 429  
 Db 124 LFTKSGPTTICLVVDLAPSKGTNLTWSRSGKPVNHSTRKEKORNGTLTVTSTLPVGT 183  
 QY 430 RDMIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAPATPEWPGSRDKRTLACLIQ 489  
 Db 184 RDMIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAPATPEWPGSRDKRTLACLIQ 243  
 QY 490 NFMPEDISVQMLHNEVQLPDARHSTTOPRKTGSGFVFSRLVETRAWEQKDEFICRAV 549  
 Db 244 NFMPEDISVQMLHNEVQLPDARHSTTOPRKTGSGFVFSRLVETRAWEQKDEFICRAV 303  
 QY 550 HEAASPSQTVQRAVSVNPGK 569  
 Db 304 HEAASPSQTVQRAVSVNPGK 323

Search completed: March 14, 2005, 11:24:29  
 Job time : 142 secs

***This Page Blank (uspto)***

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 14, 2005, 11:00:35 ; Search time 43 Seconds  
(without alignments)  
987.798 Million cell updates/sec

Title: US-09-847-208b-7  
Perfect score: 3060  
Sequence: 1 EFKSCDKHTHCPCAPPELL.....HEAASPSQTVQRAVSVPKG 569

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 487530

Minimum DB seq length: 0  
Maximum DB seq length: 569

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*

1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep:\*

2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep:\*

3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep:\*

4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep:\*

5: /cgn2\_6/ptodata/1/1aa/PCTUS\_COMB.pep:\*

6: /cgn2\_6/ptodata/1/1aa/backfile1a1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1701	55.6	325	4 US-09-701-623C-1	Sequence 1, Appl
2	1247	40.8	277	4 US-09-428-082B-22	Sequence 22, Appl
3	1243	40.6	268	4 US-09-428-082B-8	Sequence 8, Appl
4	1243	40.6	269	4 US-09-422-838C-46	Sequence 46, Appl
5	1225	40.1	253	4 US-09-428-082B-16	Sequence 16, Appl
6	1225	40.0	232	2 US-08-555-043A-50	Sequence 50, Appl
7	1225	40.0	232	4 US-09-968-362A-26	Sequence 26, Appl
8	1225	40.0	331	4 US-09-178-869-2	Sequence 2, Appl
9	1225	40.0	331	4 US-09-761-413-2	Sequence 2, Appl
10	1225	40.0	360	3 US-09-180-100-11	Sequence 11, Appl
11	1225	40.0	371	3 US-08-236-311-7	Sequence 7, Appl
12	1225	40.0	371	3 US-08-457-918-7	Sequence 7, Appl
13	1225	40.0	371	4 US-10-157-408-7	Sequence 22, Appl
14	1225	40.0	376	3 US-09-180-100-22	Sequence 22, Appl
15	1225	40.0	396	2 US-08-784-512-3	Sequence 9, Appl
16	1225	40.0	396	3 US-09-176-228-3	Sequence 3, Appl
17	1225	40.0	424	5 PCT-US95-03866-12	Sequence 12, Appl
18	1225	40.0	424	5 PCT-US95-03866-14	Sequence 14, Appl
19	1225	40.0	437	5 PCT-US96-10043-11	Sequence 11, Appl
20	1225	40.0	442	4 US-08-472-888A-7	Sequence 7, Appl
21	1225	40.0	442	5 PCT-US96-10043-9	Sequence 9, Appl
22	1225	40.0	446	3 US-08-397-411-7	Sequence 7, Appl
23	1225	40.0	449	1 US-08-458-516-13	Sequence 13, Appl
24	1225	40.0	452	1 US-09-773-877B-16	Sequence 16, Appl
25	1225	40.0	459	1 US-08-157-101A-7	Sequence 7, Appl
26	1225	40.0	462	1 US-09-773-877B-18	Sequence 18, Appl
27	1225	40.0	467	4 US-08-030-175-41	Sequence 41, Appl

28	1225	40.0	467	4 US-08-030-175-42	Sequence 42, Appl
29	1225	40.0	475	4 US-09-740-002-27	Sequence 27, Appl
30	1225	40.0	476	2 US-08-378-939-10	Sequence 10, Appl
31	1225	40.0	476	3 US-08-487-550-4	Sequence 4, Appl
32	1225	40.0	476	3 US-08-487-550-12	Sequence 12, Appl
33	1225	40.0	476	4 US-09-526-098-4	Sequence 4, Appl
34	1225	40.0	476	4 US-09-526-098-12	Sequence 12, Appl
35	1225	40.0	476	4 US-09-383-916-4	Sequence 4, Appl
36	1225	40.0	476	4 US-09-383-916-12	Sequence 12, Appl
37	1225	40.0	478	3 US-08-487-550-8	Sequence 8, Appl
38	1225	40.0	478	4 US-09-526-098-8	Sequence 8, Appl
39	1225	40.0	478	4 US-09-383-916-8	Sequence 8, Appl
40	1225	40.0	497	4 US-09-499-846-6	Sequence 6, Appl
41	1225	40.0	525	4 US-09-499-846-4	Sequence 4, Appl
42	1225	40.0	547	4 US-09-746-359A-54	Sequence 54, Appl
43	1225	40.0	557	4 US-09-773-877B-14	Sequence 14, Appl
44	1225	40.0	567	4 US-09-825-561A-16	Sequence 16, Appl
45	1225	40.0	567	4 US-09-773-877B-12	Sequence 12, Appl

ALIGNMENTS

RESULT 1  
US-09-701-623C-1  
Sequence 1, Application US/09701623C  
Patent No. 6811782  
GENERAL INFORMATION:  
APPLICANT: Wang Ph.D., Chang Yi  
TITLE OF INVENTION: PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF  
FILE REFERENCE: 11514153US1  
CURRENT APPLICATION NUMBER: US/09/701,623C  
PRIOR FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: PCT/US99/13959  
PRIOR FILING DATE: 1999-06-21  
PRIOR APPLICATION NUMBER: 09/100,287  
PRIOR FILING DATE: 1998-06-20  
NUMBER OF SEQ ID NOS: 91  
SOFTWARE: Patent In Ver. 2.1  
SEQ ID NO 1  
LENGTH: 325  
TYPE: PRT  
ORGANISM: HUMAN  
FEATURE:  
OTHER INFORMATION: CH2CH3 of human IgE  
PUBLICATION INFORMATION:  
AUTHORS: Dorington,  
AUTHORS: Benich,  
JOURNAL: Immunology  
VOLUME: 41  
PAGES: 3-25  
DATE: 1978  
US-09-701-623C-1

Query Match 55.6%; Score 1701; DB 4; Length 325;  
Best Local Similarity 99.4%; Pred. No. 2e-135;  
Matches 318; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY	250	FTPTVKIIQSSCDGGHFPPTIQLCLVSGYTGITINITWLBQGVMDVLSASTTQ	309
DB	6	FTPTVKIIQSSCDGGHFPPTIQLCLVSGYTGITINITWLBQGVMDVLSASTTQ	65
QY	310	GELASTSELTLSQKWLSDRTYTCQYTGHTFEDSTKCAOSNPGVAVLSRPS	369
DB	66	GELASTSELTLSQKWLSDRTYTCQYTGHTFEDSTKCAOSNPGVAVLSRPS	125
QY	370	LFIKSPITICLVVDLAPSKGTWLTWSRASKGVNSTRKEKORNGTLVTSTLPVGT	429
DB	126	LFIKSPITICLVVDLAPSKGTWLTWSRASKGVNSTRKEKORNGTLVTSTLPVGT	185
QY	430	RDWIEGTQCRVTHPLPALMRSTTKSGPRAAPVAVPATPEWFGSDKRTLACLIQ	489

Db 186 RDWIEGTYQCRYTHPHLPALMRSTTKISGPPRAAEVVAFAATPEWFGSHDKETLACLIQ 245  
Qy 490 NFMPEDISVQWMLNEVOLPARHSTTOPRKTGSGFVFSRLVTAEMROKDEFCRAV 549  
Db 246 NFMPEDISVQWMLNEVOLPARHSTTOPRKTGSGFVFSRLVTAEMROKDEFCRAV 305  
Qy 550 HEAASPQTVQRAVSVNPGK 569  
Db 306 HEAASPQTVQRAVSVNPGK 325

RESULT 2  
US-09-428-082B-22  
; Sequence 22, Application US/09428082B  
; Patent No. 6660843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428, 082B  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO: 22  
; LENGTH: 277  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: FC-BMP-BMP  
US-09-428-082B-22

Query Match 40.8%; Score 1247; DB 4; Length 277;  
Best Local Similarity 81.8%; Pred. No. 3.5e-97;  
Matches 239; Conservative 7; Mismatches 12; Indels 34; Gaps 5;  
Qy 6 DKHTHCPCPAPBELLGSPVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 65  
Db 2 DKHTHCPCPAPBELLGSPVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 61  
Qy 66 GVEVHNAKTKRREQYNSITRVVSVLTVLHQMNGKEYCKVSNKALPAPIEKTISKAK 125  
Db 62 GVEVHNAKTKRREQYNSITRVVSVLTVLHQMNGKEYCKVSNKALPAPIEKTISKAK 121  
Qy 126 VQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLD 185  
Db 122 GQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLD 181  
Qy 186 VGSFPLYSKITVDKSRWQGNVFSQVMHEALHNHYQKSLSPGKVEGGSG----- 240  
Db 182 DGSFPLYSKITVDKSRWQGNVFSQVMHEALHNHYQKSLSPGK--GGGGGGGTYSC 239  
Qy 241 -----GGSGGGGFTPTVKILQSSCGDGGGHPPTIQLCLVSG 280  
Db 240 HFGPDLTWVCKPQGGGGGGGTY-----SC---HFGP-LTWVCKPQG 276

RESULT 3  
US-09-428-082B-8  
; Sequence 8, Application US/09428082B  
; Patent No. 6660843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428, 082B

; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO: 8  
; LENGTH: 268  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: FC-TMP-TMP  
US-09-428-082B-8

Query Match 40.6%; Score 1243; DB 4; Length 268;  
Best Local Similarity 88.9%; Pred. No. 7.2e-97;  
Matches 232; Conservative 5; Mismatches 14; Indels 10; Gaps 1;  
Qy 6 DKHTHCPCPAPBELLGSPVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 65  
Db 2 DKHTHCPCPAPBELLGSPVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 61  
Qy 66 GVEVHNAKTKRREQYNSITRVVSVLTVLHQMNGKEYCKVSNKALPAPIEKTISKAK 125  
Db 62 GVEVHNAKTKRREQYNSITRVVSVLTVLHQMNGKEYCKVSNKALPAPIEKTISKAK 121  
Qy 126 VQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLD 185  
Db 122 GQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLD 181  
Qy 186 VGSFPLYSKITVDKSRWQGNVFSQVMHEALHNHYQKSLSPGKVEGGSG----- 240  
Db 182 DGSFPLYSKITVDKSRWQGNVFSQVMHEALHNHYQKSLSPGKGGGGIGPTLRQ 241  
Qy 241 -----GGSGGGGFTPTVK 256  
Db 242 WLAARAGGGGGIGPTLR 262

RESULT 4  
US-09-422-838C-46  
; Sequence 46, Application US/09422838C  
; Patent No. 6835809  
; GENERAL INFORMATION:  
; APPLICANT: LIU, Chuan-FA  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: Cheetham, Janet C.  
; TITLE OF INVENTION: Thrombopoietic Compounds  
; FILE REFERENCE: 01017/36263  
; CURRENT APPLICATION NUMBER: US/09/422, 838C  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,348  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 46  
; LENGTH: 269  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
US-09-422-838C-46

Query Match 40.6%; Score 1243; DB 4; Length 269;  
Best Local Similarity 88.9%; Pred. No. 7.2e-97;  
Matches 232; Conservative 5; Mismatches 14; Indels 10; Gaps 1;  
Qy 6 DKHTHCPCPAPBELLGSPVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 65  
Db 2 DKHTHCPCPAPBELLGSPVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 61  
Qy 66 GVEVHNAKTKRREQYNSITRVVSVLTVLHQMNGKEYCKVSNKALPAPIEKTISKAK 125  
Db 62 GVEVHNAKTKRREQYNSITRVVSVLTVLHQMNGKEYCKVSNKALPAPIEKTISKAK 121



QY 126 VQREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTPVLDLS 185  
| | | | |  
DB 122 GQREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTPVLDLS 181  
| | | | |  
QY 186 VGSFPLYSKLTVDKSRWQGNVFSVMEHALNHNHYQORSLSLSPKVEGGGSGG----- 240  
| | | | |  
DB 182 DGSFPLYSKLTVDKSRWQGNVFSVMEHALNHNHYQORSLSLSPKVEGGGSGGIEGPTLRQ 241  
| | | | |  
QY 241 -----GGSGGSGGFPPTVK 256  
| | | | |  
DB 242 WLARAGGGGGGIEGPTLR 262  
| | | | |

## RESULT 5

US-09-428-082B-16  
; Sequence 16, Application US/09428082B  
; Patent No. 6660843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428, 082B  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 16  
; LENGTH: 253  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Fc-EMP  
US-09-428-082B-16

Query Match 40.1%; Score 1226; DB 4; Length 253;  
Best Local Similarity 84.7%; Pred. No. 1.8e-95;  
Matches 233; Conservative 7; Mismatches 11; Indels 24; Gaps 4;  
QY 6 DKHTCPCPAPELLGGPSVFLPPPKDITLMSRTPEVTCVVDVSHEDPEVKNYVD 65  
| | | | |  
DB 2 DKHTCPCPAPELLGGPSVFLPPPKDITLMSRTPEVTCVVDVSHEDPEVKNYVD 61  
| | | | |  
QY 66 GVEVHNKTKPREQYNSTYRVSVLTVLHQNMMNGKCYKCVSNKALPAPIEKTISKAK 125  
| | | | |  
DB 62 GVEVHNKTKPREQYNSTYRVSVLTVLHQNMMNGKCYKCVSNKALPAPIEKTISKAK 121  
| | | | |  
QY 126 VQREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTPVLDLS 185  
| | | | |  
DB 122 GQREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTPVLDLS 181  
| | | | |  
QY 186 VGSFPLYSKLTVDKSRWQGNVFSVMEHALNHNHYQORSLSLSPKVEGGGSGGSGG 245  
| | | | |  
DB 182 DGSFPLYSKLTVDKSRWQGNVFSVMEHALNHNHYQORSLSLSPKVEGGGSGGSGG 232  
| | | | |  
QY 246 GGSFPTPTVKILQSSCDGGGFPPTIQLCLVSG 280  
| | | | |  
DB 233 GGGTY-----SC-----HFGP-LTWCKPKG 252  
| | | | |

RESULT 6  
US-08-595-043A-50  
; Sequence 50, Application US/08595043A  
; Patent No. 5935824  
; GENERAL INFORMATION:  
; APPLICANT: SGARLATO, GREGORY D.  
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM  
; NUMBER OF SEQUENCES: 90  
; CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/595,043A  
FILING DATE: 31-JAN-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: SGAR-00371  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 50:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-595-043A-50

Query Match 40.0%; Score 1225; DB 2; Length 232;  
Best Local Similarity 97.0%; Pred. No. 1.9e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKHTCPCPAPELLGGPSVFLPPPKDITLMSRTPEVTCVVDVSHEDPEVKF 60  
| | | | |  
DB 1 EPKSCDKHTCPCPAPELLGGPSVFLPPPKDITLMSRTPEVTCVVDVSHEDPEVKF 60  
| | | | |  
QY 61 NMVVDGVEVHNKTKPREQYNSTYRVSVLTVLHQNMMNGKCYKCVSNKALPAPIEKT 120  
| | | | |  
DB 61 NMVVDGVEVHNKTKPREQYNSTYRVSVLTVLHQNMMNGKCYKCVSNKALPAPIEKT 120  
| | | | |  
QY 121 ISKAKVQREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTP 180  
| | | | |  
DB 121 ISKAKVQREPOVYTLPPSRDELTKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTTP 180  
| | | | |  
QY 181 PVLDSGGSFPLYSKLTVDKSRWQGNVFSVMEHALNHNHYQORSLSLSPGK 232  
| | | | |  
DB 181 PVLDSGGSFPLYSKLTVDKSRWQGNVFSVMEHALNHNHYQORSLSLSPGK 232  
| | | | |

RESULT 7  
US-09-968-362A-26  
; Sequence 26, Application US/09968362A  
; Patent No. 6797493  
; GENERAL INFORMATION:  
; APPLICANT: Sun, Lee-Hwei K  
; APPLICANT: Sun, Bill  
; APPLICANT: Sun, Cecily R  
; TITLE OF INVENTION: Fc fusion proteins of human granulocyte colony-stimulating factor  
; FILE REFERENCE: 03JUN2001  
; CURRENT APPLICATION NUMBER: US/09/968,362A  
; CURRENT FILING DATE: 2001-10-01  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 26  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Human IgG1 Fc with native hinge, CH2 and CH3 domains  
US-09-968-362A-26

Query Match 40.0%; Score 1225; DB 4; Length 232;



Db 309 PVLSDSGSFLYSKLTVDKSRMOQGNVFCSCVMHEALHNYQTQSLSLSPGK 360

```
|||||
RESULT 11
US-08-236-311-7
; Sequence 7, Application US/08236311
; Patent No. 556535
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.
; APPLICANT: Gregory, Timothy J.
; TITLE OF INVENTION: Adhesion Variants
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/236,311
; FILING DATE: 02-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936190
; FILING DATE: 26-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/842777
; FILING DATE: 18-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/250785
; FILING DATE: 28-SEP-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/104329
; FILING DATE: 02-OCT-1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Haseak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 444P1C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 371 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-236-311-7

Query Match 40.0%; Score 1225; DB 1; Length 371;
Best Local Similarity 97.0%; Pred. No. 3.8e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDTHTCPCPCPABELLGGPSVFLFPPKPKDTLMISTRTPEVTCVAVDVSHEDPEVKF 60
Db 140 EPKSCDTHTCPCPCPABELLGGPSVFLFPPKPKDTLMISTRTPEVTCVAVDVSHEDPEVKF 199
QY 61 NMYVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQDMNMGKEKKCVSNKALPAPIEKT 120
Db 200 NMYVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQDMNMGKEKKCVSNKALPAPIEKT 259
QY 121 ISAKVQPREPOYVTLPPSRDELTKQVSLTCLVKGFPSPDIAVWESNQGPENNYKTTTP 180
Db 260 ISAKVQPREPOYVTLPPSRDELTKQVSLTCLVKGFPSPDIAVWESNQGPENNYKTTTP 319
QY 181 PVLSDSGSFLYSKLTVDKSRMOQGNVFCSCVMHEALHNYQTQSLSLSPGK 232
```

Db 320 PVLSDSGSFLYSKLTVDKSRMOQGNVFCSCVMHEALHNYQTQSLSLSPGK 371

```
|||||
RESULT 12
US-08-457-918-7
; Sequence 7, Application US/08457918
; Patent No. 611765
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.
; APPLICANT: Gregory, Timothy J.
; TITLE OF INVENTION: Adhesion Variants
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/457,918
; FILING DATE: 1-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/236311
; FILING DATE: 02-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936190
; FILING DATE: 26-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/842777
; FILING DATE: 18-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/250785
; FILING DATE: 28-SEP-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/104329
; FILING DATE: 02-OCT-1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Kubinec, Jeffrey S.
; REGISTRATION NUMBER: 36,575
; REFERENCE/DOCKET NUMBER: P0444P1C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-8228
; TELEFAX: 415/952-9881
; TELEEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 371 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-457-918-7

Query Match 40.0%; Score 1225; DB 3; Length 371;
Best Local Similarity 97.0%; Pred. No. 3.8e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDTHTCPCPCPABELLGGPSVFLFPPKPKDTLMISTRTPEVTCVAVDVSHEDPEVKF 60.
Db 140 EPKSCDTHTCPCPCPABELLGGPSVFLFPPKPKDTLMISTRTPEVTCVAVDVSHEDPEVKF 199
QY 61 NMYVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQDMNMGKEKKCVSNKALPAPIEKT 120
Db 200 NMYVDGVEVHNVKTKPREEOYNSTYRVSVLTVLHQDMNMGKEKKCVSNKALPAPIEKT 259
QY 121 ISAKVQPREPOYVTLPPSRDELTKQVSLTCLVKGFPSPDIAVWESNQGPENNYKTTTP 180
```

Db 260 ISKAKQPREQVYTLPPSRDELTKNOVSLTCLVKGFPSYSDIAVEMESNGQPENNYKTP 319  
Qy 181 PVLDSVGSFPLYSKLTVDKSRMOQGNVFCSCVHGEALHNHYOQRSLSPGK 232  
Db 320 PVLDSGSFPLYSKLTVDKSRMOQGNVFCSCVHGEALHNHYOQRSLSPGK 371

## RESULT 13

US-10-157-408-7  
Sequence 7, Application US/10157408  
Patent No. 6710169  
GENERAL INFORMATION:

APPLICANT: Capon, Daniel J.  
Gregory, Timothy J.  
TITLE OF INVENTION: Adhesion Variants  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/157,408  
FILING DATE: 28-May-2002  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/457,918  
FILING DATE: 1-JUN-1995  
APPLICATION NUMBER: 08/236311  
FILING DATE: 02-MAY-1994  
APPLICATION NUMBER: 07/936190  
FILING DATE: 26-AUG-1992  
APPLICATION NUMBER: 07/842777  
FILING DATE: 18-FEB-1992  
APPLICATION NUMBER: 07/250785  
FILING DATE: 28-SEP-1988  
APPLICATION NUMBER: 07/104329  
FILING DATE: 02-OCT-1987  
ATTORNEY/AGENT INFORMATION:  
NAME: Kubinec, Jeffrey S.  
REGISTRATION NUMBER: 36,575  
REFERENCE/DOCKET NUMBER: P0444P1C3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-8228  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 371 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

US-10-157-408-7  
SEQUENCE DESCRIPTION: SEQ ID NO: 7:

Query Match 40.0%; Score 1225; DB 4; Length 371;  
Best Local Similarity 97.0%; Pred. No. 3, 8e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPCPAPPELLGGPSVFLPPKRKDTLMISTRPEYTCVVDVSHEDPEVK 60  
Db 140 EPKSCDKTHTCPCPAPPELLGGPSVFLPPKRKDTLMISTRPEYTCVVDVSHEDPEVK 199  
Qy 61 NMYVDGVEVHNATKPREQYNSTYRVVSVLTVTHQNMNGKEVKCKVSKALPAPIEKT 120  
Db 200 NMYVDGVEVHNATKPREQYNSTYRVVSVLTVTHQNMNGKEVKCKVSKALPAPIEKT 259

Qy 121 ISKAKQPREQVYTLPPSRDELTKNOVSLTCLVKGFPSYSDIAVEMESNGQPENNYKTP 180  
Db 260 ISKAKQPREQVYTLPPSRDELTKNOVSLTCLVKGFPSYSDIAVEMESNGQPENNYKTP 319  
Qy 181 PVLDSVGSFPLYSKLTVDKSRMOQGNVFCSCVHGEALHNHYOQRSLSPGK 232  
Db 320 PVLDSGSFPLYSKLTVDKSRMOQGNVFCSCVHGEALHNHYOQRSLSPGK 371

## RESULT 14

US-09-180-100-22  
Sequence 22, Application US/09180100  
Patent No. 6306395  
GENERAL INFORMATION:  
APPLICANT: NAKAMURA, No. 630639510  
APPLICANT: NAGATA, Shigekazu  
TITLE OF INVENTION: NOVEL FAS ANTIGEN DERIVATIVE  
FILE REFERENCE: 1110-207P  
CURRENT APPLICATION NUMBER: US/09/180,100  
EARLIER FILING DATE: 1998-11-02  
EARLIER APPLICATION NUMBER: PCT/JP97/01502  
EARLIER FILING DATE: 1997-05-01  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 22  
LENGTH: 376  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-180-100-22

Query Match 40.0%; Score 1225; DB 3; Length 376;  
Best Local Similarity 97.0%; Pred. No. 3, 9e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPCPAPPELLGGPSVFLPPKRKDTLMISTRPEYTCVVDVSHEDPEVK 60  
Db 145 EPKSCDKTHTCPCPAPPELLGGPSVFLPPKRKDTLMISTRPEYTCVVDVSHEDPEVK 204  
Qy 61 NMYVDGVEVHNATKPREQYNSTYRVVSVLTVTHQNMNGKEVKCKVSKALPAPIEKT 120  
Db 205 NMYVDGVEVHNATKPREQYNSTYRVVSVLTVTHQNMNGKEVKCKVSKALPAPIEKT 264  
Qy 121 ISKAKQPREQVYTLPPSRDELTKNOVSLTCLVKGFPSYSDIAVEMESNGQPENNYKTP 180  
Db 265 ISKAKQPREQVYTLPPSRDELTKNOVSLTCLVKGFPSYSDIAVEMESNGQPENNYKTP 324  
Qy 181 PVLDSVGSFPLYSKLTVDKSRMOQGNVFCSCVHGEALHNHYOQRSLSPGK 232  
Db 325 PVLDSGSFPLYSKLTVDKSRMOQGNVFCSCVHGEALHNHYOQRSLSPGK 376

## RESULT 15

US-08-784-512-3  
Sequence 3, Application US/08784512  
Patent No. 5872209  
GENERAL INFORMATION:  
APPLICANT: BARTNIK, Eckart  
APPLICANT: EIDENMUELLER, Bernd  
APPLICANT: BUETTNER, Frank  
APPLICANT: CATTERSON, Bruce  
APPLICANT: HUGHES, Claire  
TITLE OF INVENTION: An artificial recombinant substrate (rAGG 1)  
TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Foley & Lardner  
STREET: Suite 500, 3000 K Street, N.W.  
CITY: Washington, D.C.  
COUNTRY: USA  
ZIP: 20007-5109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk



***This Page Blank (uspto)***